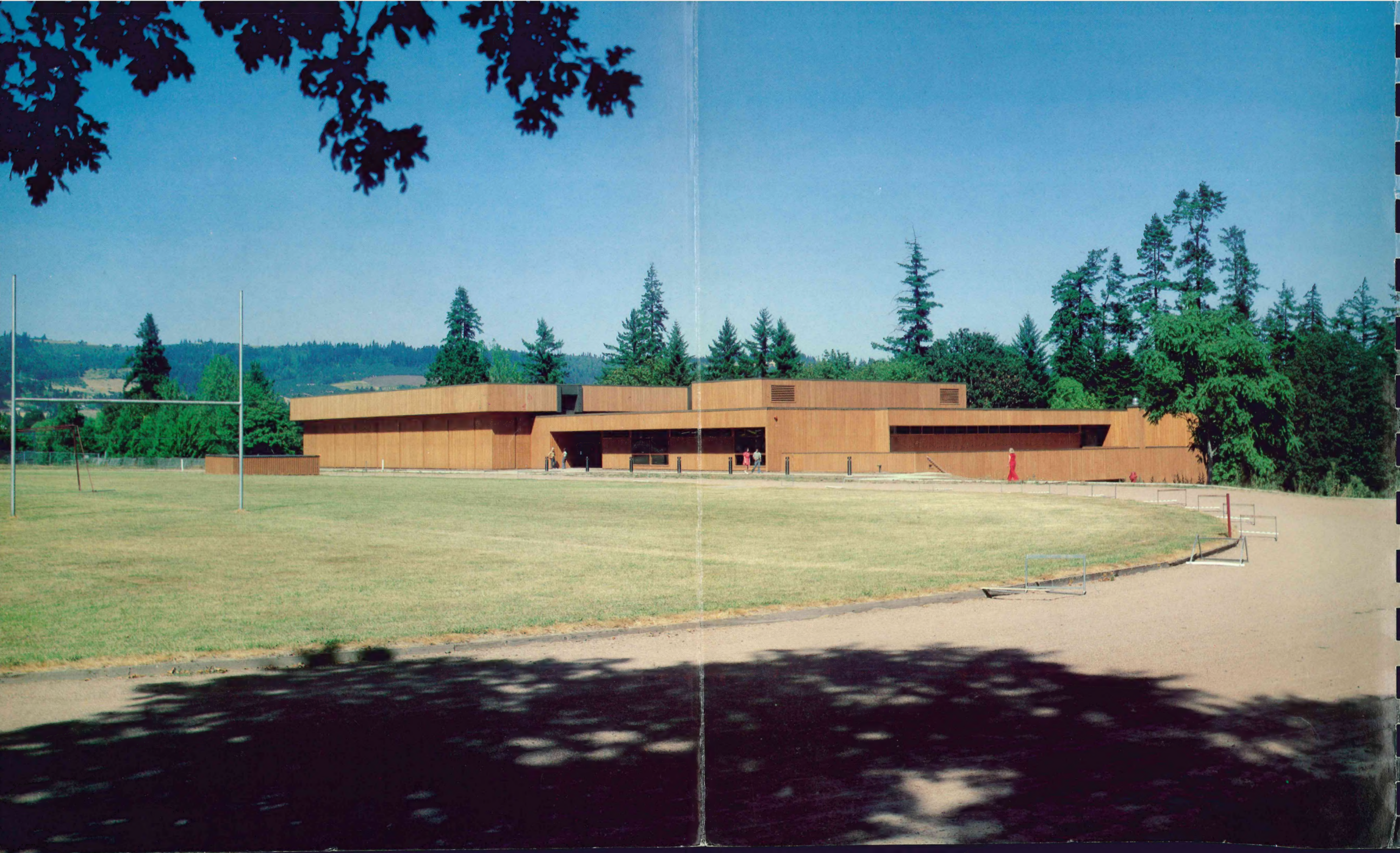


Judy
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*George Fox
College*

CATALOG
1978-1980

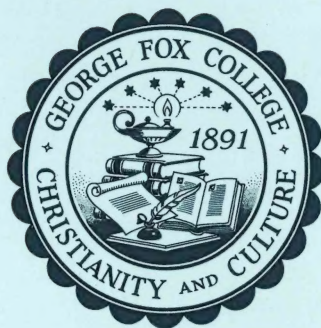
*George Fox
College*



GEORGE FOX COLLEGE

Catalog and Announcements

***1978-1980**



**GEORGE FOX COLLEGE
NEWBERG, OREGON 97132**

*NOTE: The catalog is issued in early fall for informational value to high school seniors. Thus it is issued one year prior to the dates covered. A "Class Schedule" is issued by the Registrar's Office prior to each college year.

COVER PICTURES: The new buildings featured on the covers will be in service in 1977 and 1978. We invite you to see what is happening at George Fox College.

Calendars 1978-1980

SEPTEMBER 1978

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College Calendar

SEPTEMBER TERM

Faculty conferences
Miniterm experiences

FALL TERM

Residence halls open to new students, noon
New Student-Parents Convocation, 3:00 p.m.
New students sessions and registration
Residence halls open to returning students, 2:00 p.m.
Final registration of returning students
Classes begin, 8:00 a.m.
Late registration and change fee effective
Last day to add classes
Last day to withdraw from classes
Thanksgiving vacation
Classes continue
Fall term classes end, 5:00 p.m.
Residence halls close, 11:00 a.m.

1978-79	1979-80
Sept. 18-22	Sept. 17-21
Sept. 25-29	Sept. 24-28

Oct. 1	Sept. 30
Oct. 1	Sept. 30
Oct. 1-4	Oct. 1-3
Oct. 3	Oct. 2
Oct. 4	Oct. 3
Oct. 5	Oct. 4
Oct. 5	Oct. 4
Oct. 12	Oct. 11
Nov. 17	Nov. 16
Nov. 23-26	Nov. 22-25
Nov. 27	Nov. 26
Dec. 15	Dec. 14
Dec. 16	Dec. 15

WINTER TERM

Residence halls open, 1:00 p.m.
Registration of new students, 8:00 a.m.
Classes begin, 8:00 a.m.
Late registration and change fee effective
Last day to add classes
Last day to withdraw from classes
Classes end, 5:00 p.m.
Residence halls close, 11:00 a.m.

Jan. 7	Jan. 6
Jan. 8	Jan. 7
Jan. 8	Jan. 7
Jan. 8	Jan. 7
Jan. 15	Jan. 14
Feb. 23	Feb. 22
Mar. 16	Mar. 14
Mar. 17	Mar. 15

SPRING TERM

Residence halls open, 1:00 p.m.
Registration of new students, 8:00 a.m.
Classes begin, 8:00 a.m.
Late registration and change fee effective
Last day to add classes
Last day to withdraw from classes
Classes end, 5:00 p.m.
Baccalaureate, 10:30 a.m.
Commencement, 2:00 p.m.
Residence halls close, 5:00 p.m.

1978-79	(1979-80)
Mar. 25	Mar. 23
Mar. 26	Mar. 24
Mar. 26	Mar. 24
Mar. 26	Mar. 24
April 2	Mar. 31
May 11	May 9
June 1	May 30
June 2	May 31
June 2	May 31
June 2	May 31

MEAL SERVICE: Fall Term—evening of October 1 (Sept. 30) for new students, October 3 (2) for returning students; Winter Term—evening of January 7 (6) to morning of March 17 (15); Spring Term—evening of March 25 (23) to noon of June 2 (May 31).

NOTICE: Rarely are changes made in a college calendar once published. However, the college reserves the right to change dates. Any changes will be sent to accepted students by April 1, or when they are admitted if after that date.



Why a Christian College?

What do you expect from your education? Does the Christian college really offer something vital and unavailable in a secular institution? C. S. Lewis, formerly of Oxford and Cambridge Universities, states that all moral concerns may be identified under a threefold analysis of a ship in a convoy: one, the mechanical condition of the ship itself (Is the ship capable of the sailing?); two, the relation of the ship to the convoy (Is the ship capable of the group function?); and three, the ultimate destination to be achieved (Where is the fleet attempting to go?).

Education has the same three concerns, or should have, for education is essentially a moral enterprise. Consider the ship itself or the individual. Vocational education features economic independence and skills to contribute to society. Liberal arts education stresses liberating from ignorance, provincialism, and materialism to a maximum personal potential. George Fox College accepts both as important.

Consider the ship in convoy. Some education ignores the convoy and says, "Do your own thing." Other education (indoctrination, training) may lead to a complete bondage to expectations of the group. The Swiss Christian psychiatrist, Dr. Paul Tournier, has written a book titled *The Whole Person in a Broken World*. The title suggests this second purpose of education, which is to build toward personal wholeness while engaged in restoration of a broken society.

Consider the purpose of the sailing. What is the meaning of human life? For what is man? If the educational concentration is solely on the functioning of the ship and main-

tenance of the convoy but with despair or confusion toward values and objectives, then that education is not only secular but partial.

"Putting it all together" has long been the rationale of the Christian college. "The mission of the evangelical college is nothing less than to make known the whole truth for the whole man for new life in a new world," states Dr. Carl F. H. Henry. "The overall purpose of the evangelical college, as a distinct type of institution, is to present the whole truth, with a view to the rational integration of learning in the context of the 'Judeo-Christian' revelation, and to promote the realization of Christian values in student character."

Ambitious? Of course, but if the facts are straight and you have but one life to live, then the attempt is obligatory. Idealistic? Right again, but certainly within the range of human effort. It is this "ethical excitement" that can give new dimensions to your college experience. Learning and Christian faith spark each other and are encompassed by the college commitment, as is evidenced in the seal of the college, which includes the words "Christianity and Culture." The educational validity is guaranteed by a faculty, over half of whom have earned doctorates. The Christian authenticity is maintained by each generation of new students that seeks to apply faith to practice.

The educated person adjusts to change and produces change. Such a person changes to remain relevant but knows that what is not changing may be more relevant. Our college president likes to say, "If there were not a college like George Fox, someone should start one."



The College

TEACHERS

How important is your choice of teachers? Charles Malik, former president of the United Nations General Assembly, urges, "Make sure of your teacher and forget about everything else." Elton Trueblood, a Quaker educator, observes, "It is easy to envisage a good college with poor buildings, but it is not possible to envisage a good college with poor teachers."

Experiences that truly educate are not produced simply by a quantity of courses arranged around a major field of study. Education has much more to do with quality interaction between teacher and learner, and with learning experiences that sharpen and shape the mind. In a sense, a student is enrolled in Professor Smith I or Professor Jones II and not in a course or subject. And, he or she must be turned on to that learning or it will never become a personal discovery and dimension of life.

Achievement in a field of study, the ability to teach, and personal commitments are key factors in selecting a professor for George Fox College. Faculty members have graduate degrees from major institutions across America, and over fifty percent have earned a doctorate. But academic achievement is not the only criterion. Just as important are life experiences that support teaching and dedication to the purposes of this college, including a personal commitment to our Christian faith. Moral responsibility and value judgments are integral to all intellectual endeavors and, to the Christian college community, a reflection of the stewardship of life.

CAMPUS FACILITIES

George Fox College is located on a sixty-acre campus in a town of 9,000 a half-hour drive from Portland, Oregon. Twenty buildings have been constructed or remodeled in the same number of years.

Brougher Hall, erected in 1947 and remodeled and enlarged in 1959 and 1961, contains physics laboratories, mathematics and art classrooms, and the student station.

Calder Center, built in the summer of 1964, is the combination of three hexagon modules providing eighteen classrooms, nine offices for faculty members, and a lecture hall that seats 165 persons.

Colcord Memorial Field contains a track, soccer field, baseball diamond, and hockey field.

Edwards Hall is a residence hall for women constructed in 1964, overlooking Hess Canyon. It houses 104 students.

Fine Arts Buildings I and II, constructed in 1947, house classrooms, studios, practice rooms, the music listening lab, the electric piano lab, and the faculty offices for the music department.

Heacock Commons, built in 1964-65, adjoins the Student Union Building and provides a modern dining hall and kitchen.

The Herbert Hoover Academic Building, built in 1976-77, houses the Kershner Center for business and economics as well as a large lecture facility, classrooms, faculty offices, and the administrative offices of the dean, registrar, and admissions.

The Lewis Apartments provide housing for fifty upper division students in a total of sixteen units.

The Macy-Sutton-Hobson Complex, completed in 1977, is the largest residence facility on campus, housing a total of 202 students. A central lobby is shared by the three buildings. The buildings are connected by outside walkways and an underground tunnel.

Minthorn Hall is the only first-generation building yet in use. Completely remodeled and refurbished in 1962, it houses classrooms, faculty offices, the reading lab, and an audiovisual center.

The Newlin Apartments, located on North Street, are four units available for use by sixteen upper division students.

Pennington Hall, built in 1962, is a coeducational dormitory for 100 students. It provides an infirmary, a guest room, a soundproof study room, a central lounge, game rooms, and a head resident's apartment.

Shambaugh Library, dedicated in 1962, houses approximately 60,000 volumes on three floors. Its features include study carrels, rare book collections, microfilm room, music listening room, soundproof typing room, museum, seminar room, art and record collections, and the curriculum library.

Student Union, built in 1958 and enlarged in 1968, includes a lounge, prayer room, snack area, bookstore, post office, TV room, game room, and offices for the student organizations.

Tennis Courts, tournament type, were built in 1961.



Camp Tilikum, located on ninety acres in the Chehalem Valley some eight miles from campus, is a retreat, camping, and educational center. Students, church groups, families, and community organizations enjoy seventy-five acres of woods and meadows, a fifteen-acre lake, a lodge, and a barn for crafts and recreation. Through these facilities, the college is developing a curriculum in Christian camping and recreation.

Weesner Village consists of twelve apartments designed for use by upper division students.

The Coleman Wheeler Sports Center, completed in 1977, is the college's largest building. It contains the James and Lila Miller Gymnasium, featuring three basketball courts and seating for 2,500-3,000. The center also contains activity and weight rooms, handball courts, physical education classrooms, and administrative and faculty offices.

The Winters Apartments, located on River Street, consist of nine units for use by thirty-six upper division students.

Wood-Mar Hall contains administrative offices, the chapel, religion faculty offices, the duplicating shop, and the main campus post office.

COLLEGE OBJECTIVES

In harmony with its philosophy of education, George Fox College has identified institutional objectives that provide academic, religious and moral, and social needs:

1. Teach all truth as God's truth, integrating all fields of learning around the person and work of Jesus Christ, bringing the divine revelations through sense, reason, and intuition to the confirming test of Scripture. "All scripture is inspired by God and

profitable for teaching, for reproof, for correction, and for training in righteousness, that the man of God may be complete, equipped for every good work." (2 Timothy 3:16-17)

2. Support academic programs that liberate the student for a life of purpose and fulfillment through an awareness of the resources of knowledge and culture available to him; maximize career-oriented education through counseling, curriculum, field experience, and placement.

3. Maintain a program of varied activities that directs the student to a commitment to Christ as Lord and Savior, encourages attitudes of reverence and devotion toward God, leads to recognition that the revealed commandments of God are the supreme criteria of the good life, enables the student to mirror the example of Christ in human relationships, develops a greater desire to serve mankind in a spirit of Christian love, and brings the student to a life of obedience to "the law of the Spirit of life in Christ Jesus" that will set him morally free (Romans 8:2).

4. Provide a center for Quaker leadership where faculty and students learn the history and Christian doctrines of the Friends movement and make contemporary applications of these insights.

5. Give leadership to evangelical Christianity generally, through scholarly publication, lecturing, and by evangelistic and prophetic proclamation and service.

6. Promote cocurricular activities that will emphasize the development of leadership, initiative, and teamwork by giving opportunity to make practical use of the skills and ideas acquired through academic courses.

7. Make itself a community in which studies and activities are made relevant to life, develop insight into social and political issues confronting mankind, and learn to participate democratically in decision making and policy implementing as responsible citizens.

8. Serve as a cultural center for all publics of the college and sponsor programs that are informative and culturally stimulating to the larger college community.

PURPOSES AND OUTCOMES

In any enterprise involving students of varied preparedness, motivation, and discipline, there will be differences in outcomes. Education is realistic and idealistic. It reaches beyond the average, the assured, and the guaranteed. College objectives, indeed the entire catalog, can only be seen as sincere intention to provide a quality educational program for those who wish to profit from this particular college. Accountability to students is fulfilled by providing qualified teachers, a community with Christian values, and the historical continuity of a Quaker college. The opportunity for personal growth and development is here.

Nevertheless, students are advised that the burden is on them, not the college, to achieve and gain maximum benefits from the college's educational programs and offerings. It is, in the final analysis, the student's responsibility, not the college's, to become educated.

The college does not discriminate on the basis of sex, race, color, national origin, or handicap in its educational programs or activities, including employment, and is required by federal law not to discriminate in such areas. The college also is in compliance with the Family Education Rights and Privacy Act of 1974.

CHURCH RELATIONS

Early Quaker settlers in the Willamette Valley of western Oregon founded Pacific Academy at Newberg in 1885. Six years later, more advanced education was provided by the establishment of Pacific College. Pacific

Academy was discontinued in 1930, and Pacific College was renamed George Fox College in 1949, honoring the founder of Quakerism.

The college is governed by a Board of Trustees elected by Northwest Yearly Meeting of Friends Church, which has historically emphasized the necessity of a genuinely experiential religious faith, the spiritual nature of the ordinances, the importance of peace-making and responsible social action, and the freedom for individuals to exercise liberty of conscience. With other Christians, the college holds the great, historic truths of Christianity, including the deity of Jesus Christ, the authority and inspiration of the Holy Scriptures, the necessity of salvation for man, and the present ministry of the Holy Spirit.

Denominations other than Friends support George Fox College. Denominations represented with enrollment of ten or more students include Evangelical Church of North America, Baptist, Free Methodist, Nazarene, Presbyterian, Disciples of Christ, Mennonite, and United Methodist.

ACCREDITATION AND MEMBERSHIP

George Fox College is accredited by the Northwest Association of Secondary and Higher Schools, and by the Oregon Teacher Standards and Practices Commission for the preparation of secondary teachers in specific fields. It is approved by the Oregon State System of Higher Education for the training of elementary teachers in conjunction with the Oregon College of Education and others in a joint-degree program, by the Federal

Government and the State of Oregon for the education of veterans, by the United States Attorney General for the admission of alien students, and by the American Association of University Women.

The college holds memberships in the Christian College Consortium, College Entrance Examination Board, the College Scholarship Service, the Council for the Advancement of Small Colleges, the Friends Council on Education, the National Association of Evangelicals, the Northwest Association of Private Colleges and Universities, and the Oregon Independent College Association and Foundation.

CONSORTIA

The college is associated with thirteen other regionally accredited colleges in the Christian College Consortium. The consortium promotes these objectives: "articulation of the unique contributions that dynamic Christian higher education can make to contemporary society; development of cooperative institutional programs for faculties, students, and administrators; encouragement of research and study among evangelical scholars on the integration of the Christian faith and academic learning; increase of educational and development opportunities for students from evangelical Christian colleges; design of research activities to evaluate educational programs; promotion of activities to improve the management and efficiency of member institutions; and expansion of financial and educational resources available to evangelical Christian colleges."

Other members of the consortium are: Asbury College, Wilmore, Kentucky; Bethel College, St. Paul, Minnesota; Eastern Mennonite College, Harrisonburg, Virginia; Gordon College, Wenham, Massachusetts; Greenville College, Greenville, Illinois; Houghton College, Houghton, New York; Malone College, Canton, Ohio; Messiah College, Grantham, Pennsylvania; Seattle Pacific University, Seattle, Washington; Taylor University, Upland, Indiana; Trinity College, Deerfield, Illinois; Westmont College, Santa Barbara, California; and Wheaton College, Wheaton, Illinois.

Locally, the college is associated with Warner Pacific College of Portland in a limited consortium incorporated as the Associated Christian Colleges of Oregon (ACCO). A bibliographic center sponsored by ACCO makes the holdings of five small college libraries available to each campus, virtually on a daily basis.

Although not technically a consortium, similar benefits come to the college through the Council for the Advancement of Small Colleges, "a national, voluntary association dedicated to the promotion and advancement of small, independent private colleges of liberal arts and sciences in their historic and vital contribution to ethical, moral, and spiritual values."



Academic Program

CASTLES AND FOUNDATIONS

College President David Le Shana likes to quote these words from Henry David Thoreau:

"If you have built castles in the air,
your work need not be lost for
that is where they should be.
Now, put foundations under them."

The entire college program is the context within which you dream your dreams and work at your foundations. In the academic program, you select one of some twenty majors to pursue one of two degrees, the Bachelor of Arts or the Bachelor of Science. Your course of study will include three basic components: general education, the major field, and supporting and/or elective courses. This chapter attempts to indicate options open to you.

GENERAL EDUCATION

General education is sometimes called a core curriculum or general studies. It is that part of the college experience required of all graduates (although options may be permitted within the programs) that gives them a common heritage or shared learning.

It is in the general education program that the distinctives of a college are most readily seen, for through these courses the college hopes to realize its unique contribution to society, higher education, and the individual.

MAJORS AND DIVISIONS

The curriculum includes beyond general education more than twenty majors or concentration areas organized within six divisions.

(See the page, "Programs of Study," later in this chapter.) When registering for classes a student may indicate his general area of academic interest and begin study within the framework of this division. By the beginning of the junior year, a student must indicate the specific subject in which he will concentrate during the junior and senior years.

Changes of program from one division to another are difficult to make after the sophomore year and often necessitate additional college work in summer sessions or a delay in graduation. Assistance in determining which division to enter is available from faculty advisors.

ACADEMIC ADVISING

Each student is assigned an advisor for initial registration. This advisor may be changed by request as a student forms natural lines of helpfulness and acquaintance. Various teachers and administrators may serve as resource persons in guidance and counseling.

It is the responsibility of the student to become familiar with policies and procedures outlined in the catalog. For example, most upper level courses are offered in alternate years, but this should be no problem if there is advance planning. Advisors will aid as requested, but the student must be responsible for his own program.

GENERAL EDUCATION REQUIREMENTS

Total: 72-75 hours

Certain lower and upper division courses in general education are required of all stu-

dents. The specified courses and the prescribed options listed below provide knowledge and skills in support of cultural perspectives and major programs. A course may not be used to fulfill requirements in two general education areas. As some majors have specified the options stated below, the student should check the "Major Requirements" described for his selected major.

Sources of the Common Life 33 hours

A. The Biblical Legacy (required of freshmen). Literature of the Bible (GE 101, 102, 103) 9 hours

B. The Cultural Legacy

1. Fine Arts:

Survey of Art (GE 120) and Survey of Music (GE 110) 4 hours

It is recommended that students be involved in the applied fine arts as their schedule allows, in addition to the above.

2. Choose four to eight hours from each of the following groups for a total of twenty hours:

A. Literature:

English Literature (Lit 201, 202)

Masterpieces of World Literature (Lit 251, 252)

The American Heritage (Lit 311, 312)

B. History:

Civilizations (Hst 101, 102)

U.S. History (Hst 201, 202)

England (Hst 331, 332)

American Thought and Culture (Hst 471, 472)

C. Natural Science:

Foundations of Physical Science (GSc 102, 103)

Essentials of Geology (GSc 110/310), Air and Water Environment (Meteorology) (GSc 120/320), Essentials of Astronomy (GSc 130/330)

General Biology (Bi 101, 102, 103)

General Chemistry (Ch 111, 112, 113)

General Physics (Ph 201, 202, 203)

Modes of Communication 19-21 hours

A. The Effective Writer (Wr 111) and an elective from Lit 201, 202, 230, 251, 252, 254, 285 and CA 110, 111, 120, 200, 220, 221, 230. 8 hours

B. Symbolics and Tools 11-13 hours
B.A. degree (Choose one unless major specifies otherwise.)

1. First-year foreign language (may be satisfied by proficiency test) 12 hours

2. First-year music theory (required for music and music education), Mus 121, 122, 123 12 hours

3. Select eleven to twelve hours of the following: Critical Thinking and Decision Making (GE 100), Mathematical Tools for Problem Solving (Mth 110), plus either Statistical Procedures (Mth 240, Psy 340) or Computer Programming. 11-12 hours

B.S. degree (Choose one unless major specifies otherwise.)

1. Critical Thinking and Decision Making (GE 100), Mathematical Tools for Problem Solving (Mth 110), plus either Statistical Procedures (Mth 240, Psy 340) or Computer Programming. 11-12 hours

2. Mathematics for Elementary Teachers (Mth 111, 112, 113), plus Statistical Procedures (Mth 240). 13 hours

3. Calculus (Mth 121, 122, 123). 12 hours

Patterns of Interpretation 20-21 hours

A. Physical Education activities and/or Health Education (See page 62) 6 hours

B. Systems of Interpretation (Choose two of the following, exclusive of major area.) 8 hours

1. General Psychology (Psy 201)

2. Introduction of Philosophy (Phl 210)

3. Introduction to Economics (Eco 150)

4. Principles of Sociology (Soc 201)

C. Religion 6-7 hours

1. Contemporary Religious Thought (R 490), required of all graduates, 3 hours.

- History and Doctrine of Friends (R 360), required of all Friends students, 3 hours. Upper division elective (3-4 hours) required of all other students. *Religion Bible elective*
Courses - materials will satisfy SE religion requirements
- Transfer students with junior standing who have not taken Literature of the Bible or equivalent are required to take an additional three- or four-hour Bible class at the 200-400 level in addition to the six hours listed above.

Special Considerations

- Electives may be substituted for general education courses waived by examination.
- Students in joint-degree programs of elementary education may waive the upper division religion requirement if the lower division requirement has been fulfilled.
- Although instruction in German and French are not provided, the student entering with a background in either equal to the college-level second year may through examination complete a portion of the general education requirement. Language tapes are available for use in the Foreign Language Laboratory.

PROGRAMS OF STUDY

George Fox College confers two degrees: the Bachelor of Arts and the Bachelor of Science. The curriculum beyond general education is described graphically at right. For greater detail, turn to the catalog chapter for the division of your interest. Teaching field requirements may be found with Division One, Education.

MAJORS

One of three tracks may be selected for a major:

- An established major with requirements stated in the division chapter.

FIELDS OF STUDY	Subject Majors		Secondary Teaching		Supporting Programs
	B.A.	B.S.	Majors	Minors	
Division I: Education Elementary Education Physical Education Health		x x	x	x x	
Division II: Fine Arts Art Music	x		x	x	x
Division III: Language Arts Communication Arts Language Arts Literature Spanish Writing	x x		x x	x x	x x
Division IV: Natural Science Biology Chemistry Home Economics Mathematics Physical Science- General Science Physics		x x x x	x x x	x x x	x
Division V: Religion Bible Christian Ministries Philosophy Religion	x x				x x
Division VI: Social Science Economics and Business Geography History Political Science Psychology Psychology-Sociology Social Services Social Studies Sociology	x x x x x x x	x x x x		x x	x x x
Interdisciplinary: Liberal Arts Music-Religion Physical Education- Religion Home Economics- Business or Social Services Science-Business	x x x	x x x			

2. An interdisciplinary major composed of 36-18-9-9 hours or 36-18-18 hours, a few of which are described in the catalog, or similar patterns to be approved by the two primary division chairmen and the registrar.

3. The liberal arts major, a contract major of 24-24-24 hours, to be approved by the advisor, primary chairman, and the registrar and described on the next page.

INTERDISCIPLINARY MAJORS

The traditional tracks for majors and minors have given away in a multifaceted world of careers to personalized majors. Several divisions have established cross-disciplinary majors, which are described at the beginning of the division chapters.

If these prove inadequate to the needs of a student, he may propose an arrangement of meaningful experiences under a liberal arts major. This cross-disciplinary major consists of a minimum of seventy-two hours with twenty-four hours from each of three fields related to the student's objectives. Of these hours, forty-five must be upper division hours with fifteen in each field, as determined by contract. The student must complete a contract form signed by the advisor, the registrar, and the division chairman most closely related to his professional objectives.

Examples of programs for students who may be served by the liberal arts major are:

1. Economics, political science, and history for a prelaw student.

2. History, literature, and communication arts for a writer.



3. American literature, American history, and political science or economics for an American studies major.

4. Business, communication arts, and Christian education for a Christian publications career.

5. Combinations of religion, Bible, and Christian education with physical education, music, psychology, sociology, etc. for contemporary church vocations.

COURSE CHALLENGE PROGRAMS

Your program may prove more exciting and meaningful and be shortened through one of the Course Challenge Programs.

Advanced Placement

College credit or advanced placement is possible in several subject areas for the student who completes a college-level course in high school and receives a score of three under the Advanced Placement Program sponsored by the College Entrance Examination Board. Any student requesting advanced placement with or without credit must do so through the registrar before the end of the first term in attendance. Recorded credit is \$10 per hour.

Course Challenge Examination

Through examination, a student may challenge the content of a required or prerequisite course and demonstrate readiness for advanced work. A release from the requirement is obtained upon paying an examination fee of \$25 and making a satisfactory score. No credit is given, but one may enrich

the total program in the major field or in electives.

Credit by Examination

A student may accelerate his educational goals by taking the subject area examinations or the General Examinations offered through the College Level Examination Program (CLEP).

A maximum of ninety-six term hours may be earned through credit-by-examination. The college approves the courses, prerequisites, and minimum grades acceptable for credit. See the registrar for details.

The examination fee is \$25, and recorded credit is \$10 per hour.

Proficiency Test

A student may register for advanced courses in language, music, Bible, and certain other courses by passing a proficiency test in the area involved. The proficiency tests are usually a part of college orientation, and no special fees are charged.

A student from a non-English speaking nation may fulfill his language requirement by demonstrating proficiency in the English language.

INTENSIFIED STUDIES PROGRAM

The Intensified Studies Program offers to a select number of students an opportunity to seek knowledge more freely and responsibly through a special honors colloquium and through significant projects of independent research. Students with a GPA of 3.25 or better (or any other students by special petition) may apply for participation in the

Honors Colloquium, Philosophy 271, 272, 273, with applicants subject to approval by a faculty committee. Benson Scholars automatically participate in the program.

Students from the colloquium desiring to do independent study may submit a study plan in consultation with a faculty advisor and approved by the division chairman. Students whose programs are approved shall register for three hours of credit each term (under the 495 or other appropriate course numbering) for research in the Intensified Studies project. Projects that are completed according to the standards of the Intensified Studies Program will be evaluated by the major professor and the director of the program and awarded credit totaling from nine to fifteen term hours. Projects failing to meet acceptable standards shall be noted on the transcript as research but not designated Intensified Studies.

Limited scholarship aid is available, depending partially upon need. A special research grant is awarded to each approved program.

INDIVIDUALIZED LEARNING

Obviously the Course Challenge Programs and the Intensified Studies Program just described are forms of individualized learning. Another form is programmed instruction. A special lab provides self-teaching machines (Slide Sponder and Sound Sponder) developed by a George Fox professor. This locally-produced instruction using slides and cassette tapes is featured wholly or partially in eleven courses: Freshman Chemistry, General

Physics, Earth Sciences, Principles of Sociology, State and Local Government, Basic Spanish, Fundamentals of Music Theory, Literature of the Bible, English Literature, Art, and Calculus.

Travel courses are offered periodically. Classes have gone to Europe, Asia, and Africa. Campus visitors from many lands are featured each year, and these comprise a valuable learning resource as students make the effort to meet and discourse with these visitors.

SEPTEMBER MINITERM

A one-week short term is conducted each September prior to the opening of the fall term. This is a flexible, imaginative week through which the entire campus is involved in a concentrated study of a major problem. Past miniterms have included "The Black Experience," "The Continuing American Revolution," "Futures," and "How Should We Then Live?" Attendance is optional and expenses are minimal.

CAMP TILIKUM

An emphasis in Christian camping is now developing through the facilities of college-owned Camp Tilikum. The combined strengths of the faculty in physical education, home economics, Christian ministries, and more are coming together in a program for preparing camp leaders.

Camp Tilikum features a year-round program of retreats with a wide appeal to all ages and denominations. Some 600 children enjoy the summer camping program. Col-



lege students have opportunities for study, recreation, and personal renewal.

FIELD EDUCATION

This program, commonly referred to as "field experience," "internship," or "other cultural experience," takes place off campus, yet is an integral part of the student's academic experience. Its purpose is to enhance optimum individual adjustment toward personal and career development by means of integrating classroom study with planned and supervised practical experience in vocational, educational, or cultural activities outside of the academic environment.

Enrollment in field education is an elective (option) in certain divisions and a requirement in others. Refer to each major program to determine how it applies.

Two main types of off-campus experience are available: career and cultural. The career-oriented field experience focuses on two levels, which are "exploratory" (-275) and "preparatory" (-475). These two levels provide opportunity for initial exposure to a career-interest area and for realistic preparation toward a chosen field. The culture-oriented field experience (GE 375) is designed to allow participation in a different environmental setting, e.g., foreign country, ghetto, rural community.

Academic credit may be earned through participation in an approved field education program. A full-time student may generate up to fifteen credit hours during one term. Part-time involvement can generate credit at the same rate as other methods of learning.

Twenty-five to thirty clock hours per term are required for one hour of credit. *A maximum of thirty hours may be accumulated in field education between numbers 275, 375, and 475.* Twenty hours are allowed between the career-oriented options, 275 and 475. Normally, the three alternatives are broken down as follows:

- 275 2 to 5 credit hours
- GE 375 2 to 15 credit hours
- 475 2 to 15 credit hours

Applications for field experience should be requested through the Field Education Office in the dean's complex. Request forms must be completed, approved by the division, and submitted to the registrar for enrollment. The vital link to a successful field experience is the faculty sponsor (supervisor) with whom the Learning Contract/Agreement is developed and carried out. The program also necessitates a field supervisor at the location of service or employment, with whom the faculty sponsor and student interrelate.

Evaluation of the field experience is based upon successful completion of the stated, individualized objectives. ~~A "pass" or "no-credit" is given by the faculty sponsor.~~ Field Exp Pass-repeat at division option, or in absence of a division policy, at student's option.

CCC PROGRAMS

The Christian College Consortium, described in the first chapter, sponsors a student visitors program. This permits a student in good standing to enroll for one term or a miniterm in one of the other colleges. The program is intended as an enrichment to those disciplines where personnel and courses may be somewhat limited. Application



forms and a descriptive brochure are available in the dean's office. Normally this one-term experience should be part of the junior year or the first term of the senior year.

The American Studies Program was created to provide work-study opportunities for diverse majors and personal interests in Washington, D.C. The program is based on the idea of integrating faith and learning through both a real-life work experience and a study program. Students, therefore, spend their time in Washington serving as interns, participating in an academic seminar program, and living in a small Christian community that is designed to penetrate the larger Washington, D.C., metropolitan area.

Students are able to study in Washington, D.C., for periods of two, three, or four months, beginning the first of any month. The program runs from September through May of each year and is not in operation during the summer months. The content is intended for those in the junior year. Brochures are available in the dean's office.

Travel courses are available through the CCC schools, plus some inner-city and foreign experiences. These change each year.

PREPROFESSIONAL PROGRAMS

George Fox College provides four-year preprofessional training for students wishing to enter professional schools of medicine, dentistry, medical technology, veterinary science, law, and religion. Students who wish to study nursing or physical therapy may complete course work at George Fox that will satisfy the entrance requirements for these

schools. Degree nursing programs require one or two years of preprofessional training; physical therapy requires two or three.

Students interested in such fields will be assigned advisors who will assist them in planning a program that will best prepare them for pursuing their educational goals. To assure that the courses taken at George Fox will satisfy all requirements, a student should also request a catalog from the professional school he or she wishes to attend.

Admission to some professional schools—particularly those in the medical field—is highly selective. Nevertheless, recent graduates have established the fact that academic preparation at George Fox provides a solid foundation for continued study in even the most competitive fields. Advisors at George Fox may recommend a student consider alternative career possibilities in case it is not possible to pursue the program he or she had chosen.



Academic Regulations and Procedures

ACADEMIC SESSIONS AND CREDITS

The college year at George Fox College is divided into three terms of ten weeks each, plus New Student Days and registration. In addition, George Fox sponsors a summer program and a miniterm in September.

The unit of credit is the term hour, which is normally granted for the satisfactory completion of a course meeting one period (50 minutes) per week for one term. Credit for all courses is indicated in term hours. All student requirements, advancements, and classifications are based on these units.

GUARANTEES AND RESERVATIONS

College policy guarantees that the student may graduate under the general education requirements stated in the catalog *at the time he matriculates*, provided attendance is continuous and full time. Likewise, he may graduate under the major requirements in force at the time that he is admitted to a major field, provided attendance is continuous and full time.

Two exceptions may be noted: (1) In the event of a change in requirements in general education or in a major field, the student may elect to fulfill the requirements of a revised program, provided attendance has been continuous and full time; (2) The college may face a situation beyond control and foresight that may necessitate a revision in available courses. In such situations, the interests of the student will be protected. Currently, the faculty is studying the general education program. Changes anticipated are minor and will receive adequate publicity.

The college reserves the right to withdraw courses with insufficient enrollment, add courses for which there is demand, upgrade programs, revise teaching and time assignments, regulate class size, and adjust administrative procedures, *to determine levels of competence of students & prerequisites to admission to classes.*

ATTENDANCE AND ACADEMIC LOAD

The responsibility rests with the student to maintain good standards involving satisfactory scholarship. *Regular class attendance is expected of each student in all courses.* Work lost because of absence may be made up only in the case of prolonged or confining illness, death of relatives, or similar emergencies. Permission for absences from class for participation in cocurricular college activities must be granted by the dean of the college. Illness is excused by the Health Center, and other absences are between the student and his instructors.

The student's load will be determined in conference with his advisor. Fifteen or sixteen hours per term is a normal college load. Ordinarily, the first term freshman will register for no more than sixteen term hours. Provisional students will be limited according to the regulations. No student may enroll for more than twenty hours, except by special permission of the faculty advisor and the division chairman of that advisor.

The following is suggested as a satisfactory relationship between the student's academic load and his work, on or off campus:

Work	Academic load
Not more than 18 hours	15-17 term hours
Not more than 25 hours	12-14 term hours
Not more than 30 hours	10-12 term hours

The college may ^{suspend or} dismiss any student who fails to earn an average of at least 1.00 during a term, regardless of classification or number of hours completed, or any student who becomes so indifferent or incompetent that he benefits neither himself nor the college community.

CLASSIFICATION OF STUDENTS

Classification is based upon the student's academic standing in terms of hours and grade points at the beginning of the term. New students will be classified as regular or provisional students when entrance requirements have been met and official transcripts have been received and evaluated.

Regular Students

Students who have satisfied entrance requirements and are following a program leading to a degree are called regular students. They are classified as follows:

Freshmen: Students who have completed fewer than 45 term hours

Sophomores: Students who have completed 45 term hours

Juniors: Students who have completed 90 term hours

Seniors: Students who have completed 135 term hours



Special Students

This classification includes degree and nondegree students generally enrolled for less than twelve term hours. Any special student wishing to enter a degree program must fulfill regular admissions requirements. College housing may be limited to those enrolled for a full load.

Provisional Students

Students whose cumulative GPA falls below 2.00 will be classified as provisional students. Provisional students are urged to utilize available resources and remedial facilities to remove their academic deficiencies. For continuance past one term, the student must have raised his GPA to the minimum requirement or at least have made sufficient progress for continuance on a provisional basis.

If a student is given academic ^{500 percent} dismissal, he may apply for readmission after one or more terms have elapsed. If readmitted, the student will reenter provisionally.

Auditors

Subject to instructor approval, any regular or special student may audit courses from which he wishes to derive benefit without fulfilling credit requirements. This must be established with the registrar at time of registration.

Full-time Student

A full-time student is one who is enrolled for a minimum of twelve hours in a standard term.

REGISTRATION

All students are expected to register on the days designated on the college calendar and to begin classes on the first day. The registrar will provide a brochure to supplement the catalog with specifics for each registration.

Course Additions

1. After classes begin, a later admission to class must have the approval of the registrar and consent of the instructor involved on a form available in the Registrar's Office. There is a fee of \$5 for a change of registration in the first seven weeks, plus the tuition involved.

2. The last day to add courses is established in the calendar at the front of this catalog.

Course Withdrawals

1. A student wishing to drop or withdraw from a class or from the college must secure the proper form from the Registrar's Office. Unless this is done, an "F" will be recorded for all courses involved. There is a fee of \$5 for a change of registration, except for complete withdrawal from the college.

2. The last day to withdraw from a course with a "W" is the seventh Friday of the term, except by petition.

THE GRADING SYSTEM

Term grades are determined by the instructor's evaluation of the student's daily participation in class, his performance on periodic tests, his work on term papers and class projects, and his achievement on final examinations. Grade points are assigned for

each term hour of credit earned according to the following system:

Letter Grade	Meaning	Points Per Term Hour
A	Superior	4
B	Good	3
C	Average	2
D	Passing but inferior	1
F	Failing	0
Inc	Incomplete	0
W	Official withdrawal	0
P	Pass (average or above)	0
NP	Not passing	0
L	Long-term	0

The grade of "Inc" must be made up within four weeks or a contract arrangement developed or it becomes an "F" grade. A request for an Incomplete or its extension must be approved by the instructor involved and the dean of the college or appointed associate. An "Inc" protects the student who through illness or some other unpreventable and unforeseeable intervention finds it impossible to complete all course requirements.

An "L" grade designates satisfactory progress in a long-term course continued beyond the normal term calendar. The "L" may be replaced by a "P" or a point-receiving grade. This is not an incomplete.

A student may repeat a course in which he received a "D," "F," "W," or "Inc," but the first grade remains on his record. The cumulative GPA is computed on the last grade received.

Pass-No Pass Policy

A student with a cumulative GPA of 2.00 or better and who has completed 90 term hours may elect one course per term from an elective or general education course on a pass-no pass basis. This decision must be made and communicated in writing to the registrar at the time of registration or no later than the published deadline for adding a course.

The teacher submits a regular grade to the registrar, who converts the regular grade of "C" or above into pass. A grade below "C" becomes a no-pass and the course must be repeated on a satisfactory level to receive credit.

Courses that are offered only on a pass-no pass basis are ~~field experience (e.g. 275/475)~~; Writing 95 (English Clinic), the Mini-term, Intensified Studies (sophomore and junior levels), CA 165/365 Inter-Mission: Drama Touring Group, and Student Teaching. All other courses in the college receive grades. *See pg. 22 for Field Exp pass-no pass policy.*

GRADUATION REQUIREMENTS

A student wishing to receive a Bachelor of Arts or a Bachelor of Science degree must meet the following requirements:

1. Accumulate at least 189 term hours with a minimum grade point average of 2.00.
2. Accumulate at least 63 upper division term hours (courses numbered 300 or above).
3. Complete the general education requirements.

4. Complete a major in a chosen area with no grade below a "C" in upper division courses.

5. Complete at least 45 term hours in residency. Two terms must be in senior year.

6. Complete at least 12 hours of one's major in residency.

7. File an *Intent to Graduate* form three terms or 42 term hours before anticipated graduation.

8. File an *Application for Graduation* form not later than completion of 160 term hours toward graduation (normally winter term before expected graduation in spring term, or equivalent time period).

9. File credentials with the placement office.

10. Pay in full his account at the business office.

11. One may participate in the Commencement ceremony, if all but six hours of requirements are completed in the spring term, and if a program for the completion of those hours by the end of the following summer has been approved by the registrar, & if

the above 1-10 are fulfilled

Second Degree

The following requirements provide for a second or concurrent degree. A student must:

1. Complete a minimum of 45 term hours for the "second" degree above the minimum 189 term hours required for the "first" degree;

2. Meet the general education requirements for each degree;

3. Be in attendance the last three terms or 45 term hours preceding the awarding of the "second" degree;

4. Pay an additional \$15 graduation fee if participating in one ceremony; otherwise pay an additional \$30 graduation fee for the "second" degree.

Joint Degree-Elementary Teaching Major

A student who is admitted to the elementary teacher education program and has completed satisfactorily the approved course of study at George Fox College may transfer to Oregon College of Education at Monmouth, Oregon for the senior year. A similar program exists with Linfield College, and a student may work out a satisfactory senior year with another institution with an approved elementary education program. With the completion of the approved senior year, the student will receive a bachelor's degree in elementary education and be recommended to the Oregon Board of Education for the Basic Teaching Certificate.

There is a charge of \$10 per term for joint registration and a graduation fee of \$30. A bachelor's degree in elementary education is recorded on the student's record, and the student is considered to be a graduate of George Fox College.

Graduation Honors

Summa cum laude is awarded to students with a cumulative grade point average of 3.90, *magna cum laude* to those with a 3.70, and a *cum laude* to those with a 3.50. These honors are based on total work completed prior to graduation. Transfer students must have completed at least 90 term hours at George Fox College to be eligible for honors at graduation.



Student Life

A real bonus for each student in a small college is the opportunity to be somebody and to get personally involved. Student activities serve this function and acknowledge that all meaningful learning is not in the classroom nor formal in nature. Another bonus is the opportunity to know helpful people so that when needs arise they may be met. The services described in this chapter are for the purpose of serving each individual as well as the group.

STUDENT ACTIVITIES AND ORGANIZATIONS

Student organizations provide opportunity for the development of leadership qualities and interpersonal relationships. These are designed to supplement classroom work with practical experience and to provide wholesome and profitable recreation. Many activities are available including campus government, athletics, music, drama, publications, social and religious organizations, and various special interest groups. Each student is encouraged to participate in the area of his interest.

Government

The Associated Student Community of George Fox College (ASCGFC) is an organization of all students. The ASCGFC has eight standing committees (Activities, Cultural Events, Student Union, Christian Emphasis, Christian Service, Communications, Finance, and Campus Affairs), a Supreme Court, and a Central Committee. The Central Committee, which is made up of the student body

officers, the Supreme Court Chief Justice, and the standing committee chairmen, acts as an overseeing and coordinating body for the standing committees. The Supreme Court acts as the constitutional watchdog. The ASCGFC also includes one faculty member on each of the student government committees to further student-faculty communications and cooperation. Student representation on the standing committees and the Supreme Court is based on residence areas in order to more effectively use existing channels of communication on campus.

Athletics

George Fox College has excelled in athletics during recent years. Intercollegiate men's sports include cross-country, soccer, basketball, baseball, and track. Women students compete in field hockey, volleyball, basketball, tennis, track, and softball. The college also has a strong program of intramural athletics.

Men's varsity athletic competition functions under the direction of the National Association of Intercollegiate Athletics, of which the college is a member. Women's athletic competition functions under the direction of the Association of Intercollegiate Athletics for Women, of which the college is a member.

Order of the Bruin is an organization for all men who have won a varsity letter in any major sport and who have been duly elected.

Gold Q Club consists of women who have won one or more letters in college sports. The club endeavors to further all athletic activities and foster student enthusiasm.

Music

Music activities are available to students with varied musical talents. Public performances are presented through the Oratorio Choir, A Cappella Choir, Chamber Choir, Concert Band, Orchestra, Music Theatre, Stage Band, and small ensembles. Students are urged to audition for these musical groups.

"Student Chapter Music Educators National Conference" provides a bond between students in music education and the professional organization. Students receive the *Music Educators Journal* and the *State Music Journal*. Members may attend meetings of these professional educators organizations. The club also sponsors speakers on new developments in the music education field.

Drama

Communication Arts presents at least one major dramatic production each year during the winter term as well as a regular series of one-act plays and Readers Theatre presentations. Augmenting the on-campus drama program is the drama touring group that presents chancel dramas in repertory for churches in the Northwest.

Media

Publications include a newspaper, *The Crescent*, and an annual, *L'Ami*. Elected editors direct their staffs in the selection and preparation of materials for these publications. The student radio station, KGFC, broadcasts daily with campus news and music in a contemporary Christian format.

Special Interest Groups

There are various clubs and special interest groups that meet informally to pursue shared interests.

Scribblers Club is composed of persons interested in literature. The club promotes the appreciation of literature, creative writing, and discussion of the various authors and their works. The club sponsors the occasional publication of student anthologies.

PE Major/Minor Club consists of all persons majoring or minoring in physical education. The club sponsors on-campus athletic and educational events as well as traveling to professional sports attractions, providing opportunities for both on- and off-campus involvement in special activities for members.

Business Club is available to all GFC students to deepen their understanding of and broaden their exposure to the world of business through activities including guest speakers and field trips.

Minority Student Union provides opportunity for minority and nonminority students with educational and fellowship activities. The club also sponsors events designed to make the nonminority students aware of the rich cultural heritage of minority students.

The Couples Organization is a gathering of all married students to involve them in more campus activities. Meetings and get-togethers are scheduled monthly.

The Spanish Fellowship consists of all persons enrolled in Spanish classes and those who speak or are interested in the language. The monthly gatherings feature potlucks, movies, speakers, travel films, and other programs, all in Spanish.

The GFC Film Society is a group of students who provide a variety of films on campus at student rates. Different full-length features are provided each term.

Social Events

The academic year at GFC is highlighted by many social functions. Two formal events are held during the year, one near Christmas

during fall term and the other during spring term. Homecoming is one of the major campus events of the year, when the entire college community hosts returning alumni. It is held in February. May Day celebration, directed by the Associated Students, is held annually on the first Saturday of May. Various other activities occur throughout the year, including movies, concerts, and parties.

Scheduling of Activities

All social and college activities arranged by departments, campus clubs, or groups of students are scheduled through the Office of Student Life. The scheduling of activities by students is the joint responsibility of the Office of Student Life and the student director of activities.

CHAPEL AND CHRISTIAN SERVICE

Chapel / Assembly services provide a source of Christian inspiration and instruction. Musical programs, outstanding speakers, and faculty and student participation seek to produce interesting, informative, inspirational chapel/assembly services and convocations. Chapel/Assemblies are held three times a week, and attendance is required of all students. Attendance is registered and an attendance roll is maintained. Chapel/Assembly is not designed to replace nor is it designed to duplicate the ministry of the local church. Rather, it is designed to be a unique *educational* program of the faith affirming college.

Students who have deficiencies in their attendance record at Chapel/Assembly run the same risks as students who have educational deficiencies in their classroom per-

formance. In other words, just as a sufficiently deficient grade point average will lead to the dismissal of the student from the college, so too will a sufficiently deficient Chapel/Assembly record result in the dismissal of the student from the college.

The churches of the community maintain varied programs of activity for college youth. Students are welcome to their services and fellowships, and opportunity for participation and student membership is provided. Regular church attendance is desired and strongly encouraged of all students.

The Student Christian Union coordinates Christian activities on the campus and provides varied opportunities for every student who desires to participate in some phase of Christian work. The SCU sponsors a weekly meeting, two weeks of Christian emphasis each year, an annual missions conference, various prayer meetings, and service projects.

Christian ministry is encouraged as a means of developing abilities of students in the work of the church. Anyone representing the college in a specific ministry must be authorized to do so by the college administration.

STANDARDS OF CONDUCT

When a student enters the college he agrees in writing to respect the regulations of the institution. All regulations are designed to allow the fullest liberty consistent with efficient work, while at the same time promoting the welfare of the entire campus community.

The college admits students with the understanding that they will comply with these regulations in every respect and conduct

themselves as responsible citizens. All students are expected to maintain normal standards of behavior, which include conforming to state and local laws.

Any student whose behavior is dishonest, destructive, unethical, or immoral, or whose conduct is detrimental to the total welfare of the community shall be subject to disciplinary action, which may result in suspension or dismissal.

In accordance with Christian convictions honoring the body as the temple of the Holy Spirit, the college community accepts a lifestyle that forbids gambling, the use or possession of illegal drugs, alcohol, tobacco, obscene or pornographic articles or literature, and immoral sexual behavior. Our college community has found its best interests served by not sponsoring dances or permitting social dancing on campus or at college-related activities or events.

Motor Vehicles

The ownership or possession of automobiles or other motorized vehicles by students is permitted. Students are advised to maintain appropriate insurance coverage on such vehicles.

Any student who is registered and attending classes, whether full or part time, must have his/her motor vehicle registered with the Student Life Office. Failure to do so will result in fines being levied.

LIVING ARRANGEMENTS

Housing Policies

George Fox College is a residential college. It is the belief of the college that the

students' academic and social goals are more easily attained when living in attractive surroundings. Human relationships experienced in residence halls, residence apartments, and residence houses are strong factors in producing positive personal development. The policies and procedures governing residence housing are an outgrowth of the basic values of George Fox College.

All single students enrolled in twelve or more credit hours who are less than twenty-three years of age are required to live in residence housing and take their meals in the Commons. Certain exceptions may be granted by the office of the assistant director of student life.

Intervisitation between men and women in the residence halls is allowed only during preannounced open house hours. Additional residence hall details are included in the college handbook provided for each student.

Three modern residence halls house 406 students. Pennington Hall, with a capacity of 100, is a coeducational residence for men and women students. Edwards Hall, a residence for 104 women, is designed with two separate wings of three floors each. The Macy-Sutton-Hobson Complex, a coed residence, houses 202 students. A limited number of residence houses and apartments are available for single and married students. Housing administration is handled through the assistant director of student life.

Residence housing is furnished with beds, mattresses, and other essential furnishings. Students are expected to provide their own bedding, towels, etc. All belongings should be marked clearly for identification. Coin-

operated laundry facilities are provided for each residence.

New students should notify the Admissions Office in writing of housing preference at the time their \$75 tuition deposit is paid. Returning students who wish preference on room selection are required to pay a "registration and damage deposit" by May 1. (See Financial Information, p. 44)

Occupants of residence housing are held responsible for damage to their unit and furnishings. Cost of damage or cleaning beyond the normal wear, unless such damage has been identified with an individual, will be charged on a pro rata basis among the occupants of the unit. A final inspection of each residence housing unit must be made before a student may leave at the end of the academic year or withdraw from the college. Final checkout from a residence housing unit is complete only with this inspection and after the key is turned in.

Food Service *with the exception of seniors and/or students more than 23, all unmarried students living in residence housing*
~~Students living in residence housing and less than twenty-three years of age are required to eat in Heacock Commons. The charge established for the food service is based on the assumption that not all students eat all meals; therefore, no deduction will be granted to students who eat fewer than twenty-one meals per week. An exception may be made for meals missed because of employment. Inquiries should be directed to the Business Office. A charge is made for guests. Commuting students may board at the college if intent to do so is indicated at the time of registration.~~

STUDENT SERVICES

Office of Student Affairs

This office is directly responsible for the organization and programming of residence housing and other student living arrangements, new student orientation, international students, student government, health service, food service, placement, athletics, financial aid, chapel/assembly program, college activities calendar, and other student activities. This office also offers individual attention to problems arising among students. Students are encouraged to contact this office whenever they are concerned about aspects of college life not specifically related to curricular programs. The dean of students coordinates these services and programs.

Health Services

Health and accident insurance is required of all students. Students must verify adequate insurance coverage elsewhere or be enrolled in the college program at the time of registration.

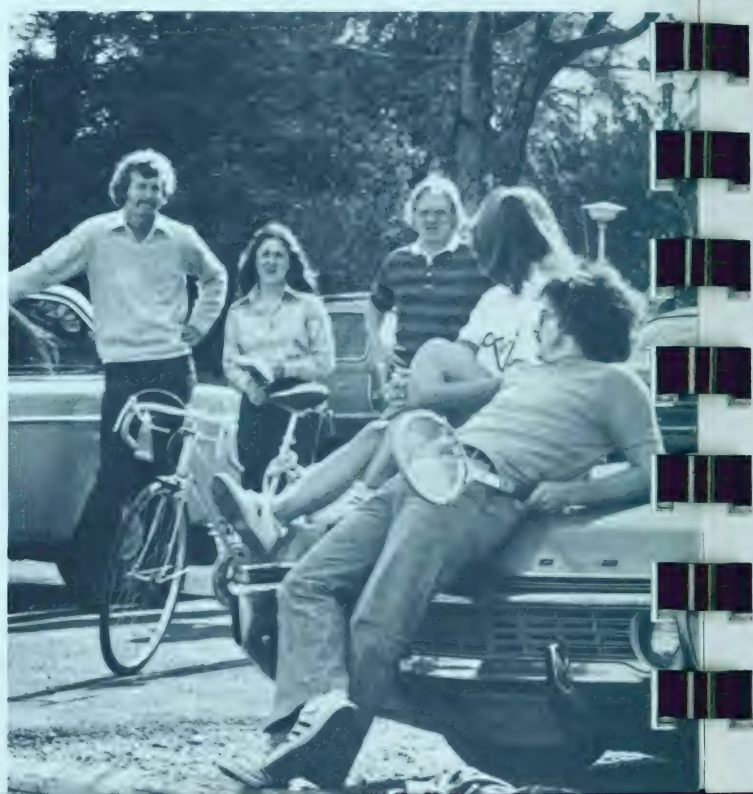
Financial Aid Office

This office on the ground floor of Wood-Mar coordinates student employment, awards of scholarships, grants, loans, and other forms of financial assistance.

Career Development Center

This office in the Student Annex is available to aid students regarding career selection, testing, placement, postgraduate studies, etc. Materials regarding various careers and possible job opportunities are also available in this office.





Admissions

BASIS OF ADMISSION

The college admits applicants who evidence academic interests and ability, moral character, and social concern, and who would most likely profit from the curriculum and Christian philosophy of George Fox College. These qualities are evaluated by consideration of each applicant's academic record, test scores, recommendations, interview reports, and participation in extracurricular activities.

A student may apply for admission after completion of six semesters of high school study, or as early as fall of the senior year. The college follows a policy of continuous admission, with the first decisions made in October. Admission is subject to the satisfactory completion of the senior year of high school.

In order to provide a solid foundation for college-level work, it is recommended but not required that the applicant present the equivalent of sixteen academic units from an approved high school. The following units are suggested: English, 4; social studies, 2; science, 2; mathematics, 2; foreign language, 2; and health and physical education, 1.

Scores on the College Board Test (SAT), the American College Testing Program (ACT), or the Washington Pre-College Test (WPCT) are required of each freshman applicant, and scores should be sent to the Admissions Office. Transfers are exempt from this requirement.

Admission is possible at the opening of any regular term.

ADMISSION PROCEDURES

1. Write to the Director of Admissions, George Fox College, Newberg, Oregon 97132, for information and admission forms.

2. Request a transcript of academic credit from the secondary school last attended. Transfer students must request a transcript from each college in which they have been registered and may be asked to furnish a high school transcript also.

3. Complete the admissions form and return it to the Admissions Office. Include a nonrefundable application fee of \$10.

4. Submit reference sheets to designated persons, who will return the completed forms to the Admissions Office.

5. Arrange for an interview on campus with the director of admissions or off campus with an admissions counselor. An on-campus visit is recommended, distance permitting. See page 41 for further details.

As soon as the admissions file is completed, an applicant will be notified promptly of the admissions decision.

6. By May 1 a tuition deposit of \$75 must be submitted by each new, full-time student. This deposit reserves housing and a place in the registration sequence, and is refundable until August 1. Students admitted after May 1 are allowed three weeks to make this deposit.

7. A medical questionnaire is sent to each student who has paid a tuition deposit. This must be completed by the student and sent to the address on the form. Students who are

icipating in sports and others who would
er an examination by a physician may
est a medical examination form from the
issions Office. No student will be allow-
register without completing a question-
e or examination form.

. It is recommended that all applicants
financial aid complete application for
ission by March 1. They should also sub-
a Financial Aid Form (FAF) to the College
larship Service by this date. Students
apply for aid after March 1, but there is
uarantee that funds will still be available.

ADMISSION OF FORMER STUDENTS

To apply for readmission after an absence
one or more terms, a student should re-
st an *Application for Readmission* from
Admissions Office. If two or more years
e elapsed, he or she must meet any new
evised graduation requiremnts and may
asked to go through regular admission
cedures.

ADVANCED PLACEMENT—HONORS PROGRAM

Past learning and present ability may rec-
mend that course work begin at an ad-
ced level. This may involve granting of
dit or in waiving certain prerequisites or
ege requirements. These *Course Chal-
ge Programs* are described in the chapter,
e Academic Program." An *Intensified
dies* or honors program is described in the
e chapter.



ADMISSION TO MAJORS

Admission to the college does not imply automatic admission to teacher education or to a particular major, such as music. Each student selects a major in conference with a faculty advisor, normally during the course of the sophomore year.

POLICIES GOVERNING TRANSFER STUDENTS

Students who have completed work at other educational institutions may be entitled to advanced standing by presenting official transcripts. George Fox College applies the accepted credits toward the general education requirements and the student's chosen major.

Certain criteria are involved in the evaluation:

1. Only course work with a "C" or better grade will be accepted.
2. All general education requirements, except upper division religion requirements, will be fulfilled if the applicant holds an Associate of Arts degree from an accredited two-year college.
3. A maximum of ninety-six term hours may be transferred from an accredited two-year college toward the bachelor's degree.
4. A maximum of sixty term hours of Bible and Christian ministries may be applied on a degree in a major other than Bible and Christian ministries.
5. Up to ninety-six hours may be applied toward a degree by an applicant holding an R.N. degree from an accredited school of

nursing. Credits will be determined by the registrar.

6. A maximum of thirty term hours of approved correspondence work may be applied toward a degree program.

Any evaluation of transfer credit is to be considered tentative until the student has completed one term of no less than twelve hours.

Each student must complete a minimum of forty-five term hours in residence for the bachelor's degree. Two terms must be in the senior year (joint-degree students in elementary education are excepted).

EARLY ADMISSION OF HIGH SCHOOL STUDENTS

An early admissions program is available to qualified high school students. This permits study at George Fox College while a student completes a high school program.

Eligibility Requirements: (1) An applicant must have completed the junior year of high school; (2) an applicant who has completed the senior year of high school is *not* eligible; (3) recommendations from the applicant's high school principal or assistant principal and guidance counselor are required before a student may formally apply for early admission; (4) early admission students must receive grades of "C" or better to remain in the program.

Application Procedures for Early Admission: (1) Contact the Admissions Office for an admission application; (2) complete the application and return it to the Admissions Office with the \$10 application fee; indicate

choice of courses; (3) upon completion of application, an applicant will be notified concerning admission and registration; (4) only one course of no more than four hours may be taken during any of the regular sessions unless a lightened high school load is approved; (5) early admission students in good standing are automatically admitted to the college upon graduation from high school.

Transfer and Credit: (1) Early admission students may take a maximum of twelve quarter hours of work with a tuition charge of \$10 per hour; (2) credit during early admission may be applied to degree programs at George Fox College without additional charge; (3) credit earned during early admission may be transferred to other colleges or universities upon payment of regular tuition fees in effect at the time the course was completed; (4) after the completion of ninety hours (2 years) at George Fox College, a student may transfer the hours taken during early admission without an additional charge.

HIGH SCHOOL GRADUATES

Adult whose high school preparation is incomplete may be admitted on the basis of General Educational Development Test, provided the average standard score is at least 48 with no one score below 48. A high school or two-year college counseling center may apply details. Adults who do not have a high school degree or its equivalent and do not wish to pursue a degree may be admitted to noncredit courses offered under the continuing education program or be admitted as auditors in other selected courses.

AUDITORS

By permission of the director of admissions and the Registrar's Office, it is possible to audit classes. Auditors pay a reduced tuition fee. Students do not complete course requirements, and no college credit is earned.

SENIOR CITIZENS

Any person sixty-two years of age or older may enroll in regular courses for credit or audit without a tuition charge. A service fee of \$5 per term is required, plus a materials fee if such is essential to the course. A small charge may be necessary in continuing education courses in which the primary enrollment is senior citizens. Unless limited by space, equipment, or essential background, all courses are open. Application is through the office of the registrar. Counseling in regard to courses is available in the Continuing Education Office in the dean's complex.

TRANSIENT STUDENTS

Students working toward a degree in another college may enroll for courses at George Fox as transient students. The \$10 admission fee is charged once, although the student may attend several terms or sessions. Not more than one year of full-time study may be permitted.

FULL-TIME STUDENTS

Full-time students are enrolled for a minimum of twelve hours in a standard term. Only full-time students may represent the

college in an official capacity, hold a major office in an organization, or live in college housing.

PROVISIONAL STUDENTS

An applicant who does not meet the total expectations for admission may be admitted as a provisional student. The status and conditions will be defined at the time of admission. This possibility is in keeping with Carnegie Commission recommendations for the encouragement of advanced learning for disadvantaged persons. Others whose background may not be considered disadvantaged also benefit from the program. Current students may become provisional if their academic achievement is unsatisfactory. This is described in the chapter, "Academic Regulations."

INTERNATIONAL STUDENTS

Prospective students who are not U.S. citizens may write for additional information about special procedures. Initial application must be made by January 1 for entrance in the fall term, or at least six months in advance for admission to any other term. Satisfactory scores on the Test of English as a Foreign Language (TOEFL) and documentation of financial ability are among the prerequisites for admission.

CAMPUS VISITATION

Students interested in enrolling at George Fox are encouraged to visit campus, preferably when classes are in session. This pro-

vides an opportunity to observe classes, see the campus facilities, and talk with students and professors. When possible, visits should be arranged in advance through the Admissions Office, which is open on weekdays 8:00 a.m. to 5:00 p.m., and on Saturdays by appointment.



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Financial Information

George Fox College maintains high educational standards at the lowest possible cost. The individual student pays only about seventy percent of the actual cost of education. The remainder of the cost is underwritten by gifts from alumni, friends, churches, businesses, and institutions. An extensive financial aid program assists students in meeting college costs.

The Board of Trustees reserves the right to adjust its charges (other than guaranteed tuition rates as described below) at any time, after giving due notice. No changes will be made during a term, nor, unless special circumstances make such action necessary, will changes be made during a given academic year.

Although a number of steps are being taken to control expenses and to maximize unrestricted gift income and return on endowment, a modest increase in charges, including the tuition rate for new students, may be necessary effective September 1978 to offset the effects of inflation.

COSTS

Estimated Cash Outlay for Typical Entering Student, 1978-79*

	Fall Term	Winter Term	Spring Term	Total
Tuition (16 hours)	\$ 800	\$ 800	\$ 800	\$2,400
Student Body Fee	30	30	30	90
Application and matriculation fees	25			25
Total	855	830	830	2,515
Board and room	545	450	365	1,360
Total resident students	\$1,400	\$1,280	\$1,195	\$3,875

These costs do not include travel, books, and personal expenses, which will vary widely among students. Costs of books can be expected to average about \$60 per term.

A Guaranteed Tuition Plan

A student pays only for those courses in which he enrolls. Tuition charges are determined by the number of credit hours for which a student registers. Depending upon his financial situation, his career goals, and his aptitude, a student may arrange his program in a variety of ways. In every case, the student pays only for those courses he needs or desires to fulfill his requirements.

Tuition charges are on a guaranteed rate per term credit hour. The rate as indicated below by year of full-time enrollment will be maintained during the regular time required for graduation.

This means that students who have not previously attended college will be guaranteed twelve terms. Transfer students will be guaranteed one to twelve terms, depending on the number of credit hours required to complete their degree at George Fox College, computed at the date of enrollment.

Continuous full-time enrollment is required to maintain the guaranteed rate. Fall term, winter term, and spring term are regular sessions covered by the guaranteed tuition rate. Summer sessions are not considered as regular sessions. Students who drop out for one session or more, or who reduce their credit hours taken to less than twelve,

*Because of the early issuance of the catalog, students should confirm costs for the 1978 and 1979 academic years after March 1 of each year.

pay the rate prevailing at the time of reenrollment as a full-time student. Students taking less than twelve hours per term pay the new student rate.

The Consumer Price Index (CPI) compiled by the Bureau of Labor Statistics increases by more than eight points in any one year. All tuition rates may be reevaluated and, if necessary, increased by a percentage equal to the amount by which the CPI increase exceeds the average increase for the preceding three years.

Tuition Charges*

Tuition charges for full-time enrollment (five or more credit hours per term):

For students enrolled continuously since the academic year 1975-76: \$44 per credit hour.

For students enrolled continuously since the academic year 1976-77: \$47 per credit hour.

For students enrolling full time for the first time during the academic years 1977-79: \$50 per credit hour.

For less than full-time students enrolling during the academic year 1977-79: \$50 per credit hour.

Charge for auditing a course is one half the applicable regular charge.

FEES AND EXPENSES*

Student Body Membership

Students registered for twelve credit hours or more each term—annual membership \$85

Because of the early issuance of the catalog, students should confirm costs for the 1978 and 1979 academic years after March 1 of each year.

Students registered for at least five but less than twelve credit hours per term—annual membership 45

The full membership covers student activities, class dues, social events, athletic events, the Student Union Building, and subscriptions to the college paper and yearbook. The partial membership covers all of the above except the yearbook.

Admission Fees and Deposits

Application fee (nonrefundable, submitted with application for admission) \$10

Matriculation (registration) fee (paid only at initial entrance as full-time student to GFC) 15

Tuition deposit (required of all new, full-time students) 75

Registration and damage deposit (required of all students) 50

Registration, Records, and Graduation Fees

Late registration fee (applicable if registration, including payment of charges or completion of financial arrangements, is not made prior to the first day of classes each term)

First week of classes \$ 5

Second and following weeks 10

Change of registration, per change

First seven weeks of classes 5

Thereafter 10

Fee for removing "Incomplete" or recording change of grade, per course 5

Examination fee for credit by examination, challenge, or exemption from specific requirement, per course 25

Credit by examination, per credit hour	10
Special examination	10
Joint-degree registration, per term	10
Graduation fee	30
Transcripts, each (first four copies free to GFC graduates)	1
Placement office registration fee	10
Placement credentials, per set (first five sets included in placement office registration fee)	2

Departmental Fees

Chemistry breakage ticket (unused portion refundable)	\$ 5
Data processing classes (initial fee)	20
Off-campus physical education activity, per term*	15
Private music lessons, per term (includes one one-half hour lesson per week and use of practice room)	60
Instrument rental—fees are set by the music department and range from \$5 to \$20 per term.	

Business Office Fees

Monthly Budget Plan service fee (nonrefundable, sent with application for plan)	\$15
Late payment fee—Monthly Budget Plan	5
Deferred payment plan setup fee, per term	10

*Students pay a fee of \$15 to cover costs of facilities, equipment, and transportation for any physical education course conducted off campus, such as swimming, bowling, golf, and canoeing. Personal rackets are required for tennis.

Account service charge
If account balance is less than \$50, the monthly service charge is \$.50. If account balance is \$50 or more, the monthly service charge is 1 percent of the unpaid balance.

Returned check fee, per check

Medical Fees

Evidence of acceptable medical insurance for accidents, sickness, and prolonged illness is required of all full-time students. Students are required to enroll in the college-approved student medical insurance plan unless an insurance waiver card is submitted at the time of registration indicating comparable coverage elsewhere.

The fee is subject to change each year by the underwriter but is normally \$15-\$20 per term.

Board and Room

Board and room is furnished to a resident student per term as indicated below. Charges quoted are individual student rates for two students per room. If a student chooses to occupy a residence hall room alone and such is available, an additional charge of \$75 per term will be made.

Fall term	\$545
Winter term	450
Spring term*	365

*For students with uninterrupted residency beginning with fall term. Students residing in college housing only for the winter and/or spring term will pay the winter term rate each term.

apartment housing is available for upper-
students at the following rates, which
include all utilities.

	Room Only	Board and Room
Fall term	\$295	\$575
Winter term	245	475
Spring term	195	385

A limited amount of apartment housing is
available for married students. Information
on this housing may be obtained from the
Student Life Office.

Rule of Tuition and Room Deposits

New full-time students are required to
pay a \$75 tuition deposit by May 1 or within
two weeks after acceptance, whichever is
later. This deposit will be applied against the
first term tuition.

New full-time students are required to
pay a registration and damage deposit of \$50
at the time of registration. This deposit is designed to
cover student-caused damage, fines, etc. and
must be permanently maintained at that
amount so long as the student is enrolled.
Upon withdrawal from the college, any re-
maining balance will be refunded to the stu-
dent. Provided notice of withdrawal is received
by August 1.

FINANCIAL ARRANGEMENTS

Charges made by the college are due
at the beginning of each term. Students re-
ceiving scholarships, grants, or loans must
complete all necessary arrangements well in
advance of registration. Students who are
not given a loan from financial institutions or



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agencies (e.g., a federally insured bank loan) that may still be pending at the time of registration must have a letter of commitment from the lender acceptable to the college.

Monthly Budget Plan

An alternative method for payment of basic tuition, fees, and room and board charges is the Monthly Budget Plan, which may be elected by all full-time students.

The Monthly Budget Plan consists of equal monthly payments beginning June 1 and concluding on May 1 of the following year. A student may enter the program later than June 1 provided all back payments are made up when he joins the plan.

The annual service charge for the Monthly Budget Plan is \$15. There are no added finance charges related to these payments.

Scholarships, grants, and loans made by the college will be deducted in arriving at the balance to be met. Complete details, together with examples of how the plan operates, are available from the Business Office or Financial Aid Office.

Deferred Payment Plan

Students may elect to complete financial arrangements for registration each term using the Deferred Payment Plan.

If this plan is used, a \$10 setup fee will be added to the account. In addition, the account balance is subject to a one percent monthly service charge.

Under the deferred payment plan, one third of the account balance (after deducting scholarships, grants, and loans) is due at registration. An additional one-third is due one

month from the first day of classes for the term. The remaining balance is due two months from the first day of classes for the term.

Restrictions

The college reserves the right to withhold transcript of records or diploma until all college bills have been paid or until satisfactory arrangements have been made with the Business Office. Students may not be permitted to register for a new term until all bills are paid for the previous term.

Refund Policy

Refunds on charges for *tuition, fees, and room and board* will be made at withdrawal within a term from a course or the college. The date on which the student *completes* the official withdrawal process will determine the amount of the refund. In the case of withdrawal from the college, a minimum of \$10 will be retained by the college to cover the costs of registration and processing.

Refunds for tuition and room charges will be made according to the schedule stated below:

First day of classes	100%
Remainder of first week	85%
Second week	80%
Third week	60%
Fourth week	40%
Fifth week	20%
Sixth and following weeks	0%

Refunds for board will be made on a pro rata basis less a ten percent charge.

Refunds for student body membership will be made by the Student Government, according to the following guidelines:

First week of classes	90%
Second week	80%
Third week	70%
Fourth week	60%
Fifth week	50%
Sixth week	40%
Seventh week	30%
Eighth week	20%
Ninth and following week	0%

Refunds for departmental fees will be according to the amount of the fee unused. If none of the fee has been used, all of it will be refunded.

Refunds for registration and tuition deposits will not be given after August 1.

Refunds for school insurance fees will be given only if the withdrawal takes place prior to the sending in of the insurance premium. After that, no refund will be given.

Withdrawal Procedure

Withdrawal, Room, and Board. Students entitled to refunds for *withdrawal from a class* must complete the official "class withdrawal" form, available from the Registrar's Office. Students entitled to refunds for *withdrawal from the college* must complete the official "probable dismissal" form, also available from the registrar. On the *completion* of the appropriate form, it should then be taken to the "Student Accounts" Office, where the refund, if any, will be determined according to college policy.

Student Body Membership Fees: Fees relating to such refund should be

sent to the president of the Student Government located in the Student Union Building.

Except for the "student body membership fees," students who have *completed* the appropriate withdrawal process should check with the "Student Accounts" Office for the specifics of a given refund.

General

If a refund is due a student:

1. The student may choose to have the refund credited to his/her account for use in a subsequent term.

2. The refund check will be given directly to the student. In case of a dependent student, the student's parents may be notified of the refund.

Please note: Under no conditions will a refund check be given a student who has an outstanding balance due the college. Only that part of the refund remaining after all debts owing the college have been paid will be given to the student.

FINANCIAL AID

Basis of Student Aid

Each family should expect to make every reasonable financial adjustment to provide as much support as possible beyond the normal maintenance it has customarily provided. In awarding aid as a supplement to the family's maximum efforts, the college considers primarily a student's academic potential, his personal interests and qualities, and promise for future leadership.

The College Scholarship Service Assembly (CSS) is a constituent body within the College

Entrance Examination Board (CEEB). George Fox College joins with other members of the CSS in maintaining the principle that every qualified student should be able to choose a college for personal reasons. Financial aid awards make such a choice possible by helping bridge the gap between what a student's family can reasonably afford to spend on his education and what it will cost him to attend college. The amount of aid a student's family may be able to contribute for educational purposes is the same at any college to which he applies. Every student is urged, therefore, to choose the college that offers him the best opportunity to develop his interests and abilities.

The family's ability to pay for college is determined by analyzing the information it has supplied on the Financial Aid Form (FAF), a questionnaire about financial aid provided by the CSS. An independent student must also file a Financial Aid Form (FAF) to be considered for aid.

Types of Awards

Every student admitted is eligible to receive financial aid provided that he can show need. Financial assistance awarded by George Fox College takes the form of one or a combination of the following: scholarships, grants, loans, and employment.

All federal and state financial assistance requires an affidavit attesting that the recipient will use the funds only for educational purposes.

The awards given by George Fox College are granted upon the general principle that a clear distinction should be made between

awards that recognize academic honor and achievement and awards that recognize the need for financial assistance. This system of awards tends to eliminate the concept that academic achievement should be recognized by monetary grants regardless of the financial condition of the student and achievement equity in the distribution of limited aid funds by providing that students who most need assistance will receive aid. While honors for distinguished achievement are given suitably in public, the college minimizes or completely avoids public notice of monetary grants because financial exigency is a confidential matter between the student and his college. Virtually every student in the college who can demonstrate need for assistance is awarded the amount of aid that will enable him to attend the college.

Scholarships

Honors scholarships are granted each academic year to a limited number of qualified students. These scholarships are credit awarded by the college against the regular charges made by the college. Thus a scholarship is not a loan.

A limited number of honors for freshmen are granted each year based on a combination of high school class rank, cumulative GPA, SAT or ACT scores, leadership, and citizenship qualities. Continuation in the honors program is reviewed each year. Continuous enrollment, academic achievement, and recommendations by professors are a few of the factors considered by the Scholarship Committee in granting continuing honors. Transfer and continuing student

who did not enter on honors are eligible for consideration in the program.

A small number of the highest-ranking students are selected at the end of the freshman year, or later, to enter the challenging Intensified Studies Program. Some financial aid is available to assist highly qualified students to pursue independent study.

Endowment for Scholarships and Grants

A portion of the endowment funds is designated for the scholarship program as detailed above. In addition, the income from these funds makes possible the following scholarships and grants:

Benson Scholarships for students who demonstrate extraordinary scholastic ability. Such scholars do not exceed in number three percent of the student body.

The Florence A. Butler Memorial Scholarship for students majoring in business and economics.

The Elizabeth Carey Minas Scholarships for students who demonstrate high scholastic ability.

The Ethel Cowgill Memorial Grant awarded annually to a student whose parents are serving actively as pastors in the Northwest Yearly Meeting of Friends Church.

The David P. Earhart Memorial Scholarship for students or students with similar pacifist beliefs.

The M. Lowell and Margaret W. Edwards Scholarship granted annually to students enrolled in a premedical program.

The Laura McPhee Grant awarded annually to students whose parents are serving as missionaries in the United States or abroad.

The Levi T. Pennington Memorial Scholarship aids students who demonstrate leadership abilities, a desire for humanitarian service, high moral character, and have financial need.

The Robert Robertson Grant awarded annually to a student whose parents are serving as missionaries in the United States or abroad.

The Joanne (Brougher) Summers Memorial Scholarship granted annually to a foreign student or to an Indian or Eskimo student native to the state of Alaska.

The Mary Sutton Memorial Scholarship for students majoring in English literature or communication arts.

In addition, there are other scholarships that carry no specific eligibility criteria donated by families and friends:

The Endowed Memorial Scholarship made possible by a number of families in memoriam of deceased family members.

The Allen Hadley Memorial Scholarship.

The Arthur H. and Gwendolyn Winters Scholarship.

It is hoped that recipients of these funds, who from experience are more aware than others of the importance of this scholarship program, will someday desire to add to the scholarship endowment fund and designate gifts for this purpose.

Other Resources

Over the years friends of the college have provided funds annually to assist students with scholarships and grants. These awards usually carry with them special provisions. Grants and scholarships currently being awarded include:

The Ankeny Family Athletic Award

The Robert Barclay Tuition Scholarship

Dr. John C. and Esther Brougher Premedical Scholarship

Crecelius Family Christian Ministry Scholarship

Crisman Brothers Scholarship

Jackson Foundation Scholarship

George H. Layman Scholarship

Kent Ministerial Scholarship

Minthorne Family Grant

Newberg Optimist Club Grant

Physical Education Scholarship

Orpha Puckett Larrance Memorial Scholarship
The Arthur and Fern Roberts Tuition Grant
Frank D. Roberts Family Memorial Scholarship

A limited number of awards are made each year to students in the fields of athletics, drama, and music. To be eligible applicants must have satisfactory academic records and unusual proficiency in one or more of the above fields. Auditions or personal interviews are usually required of applicants. The college has established Church/College Fellowship Awards to assist churches in encouraging their young people to attend a Christian college. The church may make a gift of any amount to the college for credit to a specific student's account. The college will then match up to \$100 of the gift for any such students and up to \$300 for juniors and seniors who are preparing for Christian service. Gifts may be made for any number of students from a church. The gifts must be an official act of the church rather than from individual church members. In order to participate, a church must file an application in the financial aid office no earlier than February 1 and no later than March 15. Applications will be supplied upon request.

Any student whose home is over 500 miles from the campus may be eligible for a travel grant. The amount of the grant varies in proportion to the distance between the student's home and the college, is dependent on need, and is credited to a student's spring term account.

A student with exceptional need may apply for state and federal grants. An FAF must be on file to determine eligibility for this type of assistance. The Basic Educational Oppor-

tunity Grant is a Federal program not requiring an FAF. Forms are available at high schools and colleges.

Loans

The Federally Insured Student Loan Program is a plan whereby parents or students borrow from their local bank for educational purposes. Applicants must obtain from the college appropriate forms to determine eligibility for possible federal interest subsidies.

There are several other loan programs financed through the college that are available to students with exceptional need. Students should apply to the financial aid office.

The college encourages students and their parents to use loan funds because these, unlike scholarship grant funds, do not subtract from the resources that support the program of the college. Loans place the responsibility for financing higher education on the student, enabling him to receive financial assistance when he needs it and to pay some of the cost of his education at a later time when he is better able to do so. Consequently, the college expects loans to be a significant part of the usual financial aid award.

Employment Grants

Employment Grants are awarded to students who clearly demonstrate financial need. A Financial Aid Form must be on file to determine eligibility for employment grants.

Some employment grants are subsidized through the college Work-Study Program. This is a federal program of employment of students, particularly those from low-income families.



The Curriculum

DIVISION I. EDUCATION

Education, Health Education, Physical Education

DIVISION II. FINE AND APPLIED ARTS

Art, Music

DIVISION III. LANGUAGE ARTS

Communication Arts, Literature, Greek, Spanish, Writing

DIVISION IV. NATURAL SCIENCE

Biology, Chemistry, General Science, Home Economics, Mathematics, Physics

DIVISION V. RELIGION

Bible, Christian Ministries, Philosophy, Religion

DIVISION VI. SOCIAL SCIENCE

Business, Economics, Geography, History, Political Science, Psychology, Social Services, Sociology

COURSE NUMBERING SYSTEM

Courses numbered 100-299 are lower division level and normally are open to freshmen and sophomores. Courses numbered 300-499 are upper division level and normally are open to juniors and seniors. Freshmen may not enroll in courses at the 300-400 level, except by permission of the chairman of the division in which the course is offered.

A 300 numbered course may be open to sophomores. Exceptions may be made when prerequisites are met and general education requirements fulfilled on schedule.

Course numbers ending in zero (e.g., Eng 300) designate courses that are complete in one term. They may be scheduled for any term during the college year.

Course numbers ending in five (e.g., Mu 105) designate courses that may be pursued for several terms under the same number with all credits applicable, within stipulated limits.

Course numbers ending in one, two, and three, or seven, eight, and nine (e.g., Eng 111, 112, 113) designate courses offered throughout the year. A continuing course may not be entered in the second or third term without completing the previous term(s) or obtaining the permission of the instructor.

Course number 490 designates a Senior Seminar that is completed in one term; numbers 491, 492, 493 designate a Senior Seminar given each term.

All 475, 495 courses are limited to juniors and seniors who are majoring in the field. Entry forms, which require the signature of the course instructor, are available in the Registrar's Office.

485 courses, also limited to juniors and seniors, are special seminars not part of the regular curriculum but offered for enrichment and interest.

Virtually all 300-400 level courses are offered in alternate years. Some may be offered more frequently, but the year stated is the expected one.



Division of Education

Basic objectives of the division are:

1. To coordinate the resources of the college in providing a broad general education with academic specialization for the prospective teacher.
2. To provide professional preparation that develops in students the understandings, skills, and attitudes needed for a career in teaching at the elementary and secondary levels.
3. To provide instruction that fosters physical development of students and enhances the use of leisure time.

TEACHER EDUCATION

The teacher education program at George Fox College is designed to prepare teachers for the public schools through a curriculum that pyramids from a broad foundation in Christian liberal arts education through specialization in a particular field of knowledge to clinical studies in teaching and learning theory.

Teacher education and certification in Oregon operate under the approved program approach. Teaching certificates are issued to qualified applicants who have completed a teacher education program approved by the Oregon Teacher Standards and Practices Commission and have the recommendation of the approved teacher education institution in which they completed the program.

SECONDARY SCHOOL TEACHING

George Fox College has been approved by the Teacher Standards and Practices Com-

mission to offer training programs leading to certification in the following teaching majors:

Advanced Mathematics
Biology
Integrated Science
Language Arts
Music
Physical Education
Social Studies

Additional teaching fields are provided through the following approved teaching minors:

Drama
Elementary Algebra and Geometry
Health
Pre-Algebra and General Mathematics
Speech

Students seeking certification in a teaching minor must also complete a specific teaching major and special methods course in the field of the teaching minor.

ELEMENTARY SCHOOL TEACHING

George Fox College has been approved by the Oregon State System of Higher Education for the training of elementary teachers in conjunction with Oregon College of Education. Students who are admitted to teacher education and satisfactorily complete the prescribed course of study at George Fox College may transfer to Oregon College of Education at Monmouth, Oregon, for their senior year. They receive the Bachelor of Science degree from George Fox College and are recommended to the Teacher Standards and Practices Commission for the Basic Teaching

ate (Elementary) by Oregon College
ation. A similar joint-degree program
field College at McMinnville, Oregon,
available.

Students interested in majoring in ele-
y education should contact the direc-
teacher education upon entering
Fox College for advising and for cur-
requirements.

ADMISSION TO TEACHER EDUCATION

Students wishing to explore or prepare
for a teaching career should become
involved in the teacher education program as
early as possible in their college career. It is
recommended that initial steps be taken as an enter-
tainment or as soon as possible after
leaving George Fox College. Formal admis-
sion to the teacher education program may
be requested during or prior to the first term
of the junior year. Admission to the program
is based upon academic achievement, skills
in writing and speech, satisfactory physical
and mental health, and exemplary social and
behavior.

TRANSFER STUDENTS TEACHER EDUCATION

A student transferring to George Fox
College must meet the same requirements
for admission as those who have entered the
program at the usual point. For secondary
teaching fields, work at George Fox College
must include Teaching of (Special
Fields) and Ed 475 and 490 Supervised
Teaching and Seminar. A minimum of forty-

five hours must be taken in residence at
George Fox College for either the elementary
or secondary programs.

A student transferring from a nonaccred-
ited college to the secondary program of
teacher education will be granted only con-
ditional admission to the program until he
or she demonstrates ability by completing
twelve term hours in his first teaching field
and/or professional education with an av-
erage GPA of 2.50. Courses taken at non-
accredited colleges cannot be applied to-
ward the elementary joint-degree program.

ADMISSION TO SUPERVISED TEACHING

Acceptance into the teacher education
program does not guarantee assignment for
supervised teaching. Application must be
made for admission to supervised teaching
by filing forms obtained from the education
office not later than the first week of the term
preceding the quarter for which the assign-
ment is requested. Admission to supervised
teaching is based upon attainment of a
minimum cumulative GPA of 2.30 and an
average GPA of 2.50 in the teaching major,
completion of the required professional
courses with no grade below "C," and a mini-
mum of thirty term hours completed in resi-
dence.

PLANNING THE PROGRAM

The program leading to certification in
secondary teaching includes the general edu-
cation requirements (approximately one third
of the total number of hours required for a

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bachelor's degree), a teaching major (approximately one third of the total), professional education courses, seminars, and clinical experiences (approximately one fifth of the total), and free electives (approximately one eighth of the total).

Students should plan to finish their general education requirements and some of their lower level teaching major requirements during their first two years at college. Professional courses in education and the advanced teaching major course requirements should be completed during the last two years. Teaching methods courses must be taken before student teaching.

It should be stressed that the student must complete the general education, teaching major, and professional education requirements as well as receive a bachelor's degree before he/she may be recommended for teacher certification.

PROFESSIONAL COURSE REQUIREMENTS

All prospective teachers in secondary education must complete the following courses, seminars, and clinical experiences in addition to those required for general education and an approved teaching major:

- Ed 305 September Participation or
- Ed 175/375 Field Experience
- Ed 310 Social Foundations of Education
- Ed 320 Psychological Foundations of Education
- Ed 330 Principles of Secondary Education
- Ed 340 Teaching Developmental Reading
- Ed 350 Instructional Media

- Ed ... Teaching of ... (Special Methods)
- Psy 310 Human Development
- Ed 475 Supervised Teaching
- Ed 490 Supervised Teaching Seminar

(Note: General education requirements must include Psy 201 General Psychology for Systems of Interpretation.)

Biology (B.S. Degree)

Teaching Major Requirements: Thirty-three term hours of core courses are required, including GSc 320 Essentials of Geology or 320 Air and Water Environment; GSc 370 Environmental Science; Bi 101, 103 General Biology; Bi 350 Genetics; Bi 360 Ecology; Bi 370 General Microbiology; Bi 430 Evolution. General education requirements must include 111, 112, 113 General Chemistry for cultural legacies and Mth 195 College Algebra and Ch 231, 232 Organic Chemistry for symbolics.

Twenty-seven term hours in addition to the core are required to complete a major in biology. The major must include Bi 300 Developmental Biology or 310 Vertebrate Embryology; Bi 330 Physiology; 340 Plant Physiology; Bi 491, 492, 493 Senior Seminars.

Teaching Minor Requirements: Requirements are identical to the thirty-six-hour core plus the general education courses specified above.

Health

Teaching Minor Requirements: Twenty-four term hours are required including HE 200 Personal Health; HE 202 Psychology of Effective Behavior; HE 203 Community Health Problems; HE 390 Safety Education; HE 230 First Aid; HE 310 The School Health Program; HE 300 Nutrition; HE 280 Marriage and Family; HE 350 Communicable and Noncommunicable Diseases; HE 360 Drug Education.

A teaching minor in health may be combined only with teaching majors in physical education, science, or social studies. When combined with physical education, student teaching must include experience in classroom teaching of health.

Field Science (B.S. Degree)

Major Requirements: Sixty term hours including Bi 101, 102, 103 General Chemistry; GSc 111, 112, 113 General Chemistry; GSc 320 Essentials of Geology; GSc 320 Air and Water Environment; GSc 330 Essentials of Astronomy; GSc 370 Environmental Science; twenty-four upper division hours in biology or Ph 201, 202, 203 General Chemistry; General education requirements include Math 121, 122, 123 Calculus for symbolic reasoning.

Minor Requirements: Requirements are the same as those for the major.

Arts (B.A. Degree)

Major Requirements: Forty term hours of language arts courses are required including twenty-four hours selected from CA 111 Public Communication, CA 221 Oral Interpretation, or CA 120 Introduction to Acting; CA 330 Mass Media; Wr 310 Introduction for Teachers; Lit 311 or 312 American Literature; Lit 201 or 202 English Literary Heritage; Lit 201 or 202 English Literary Heritage; Lit 473 20th Century Literature for Adolescents; Lit 381 Shakespeare; Lit 344 Literary and Ling 300 General and Cultural Linguistics; eighteen term hours in addition to the core are required to complete a major in language arts and include the options omitted in the core: CA 120; Lit 311 or 312; Lit 201 or 202; and Lit 381. General Education requirements must include Lit 251, 252 World Literature for cultural literacy.

Minor Requirements: Requirements are the same as the forty-hour core of language arts courses in Lit 251 or 252 World Literature.

Additional second teaching fields are available for arts majors in speech and drama. **Speech:** Additional seven term hours selected from CA 300 Introduction to Communication Theory, CA 400 Critiques to Communication, CA 110 Interpersonal Communication, CA 310 Studies in Persuasive Communication, and CA 495 Individual Research or



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Field Work. *Drama*: An additional eleven hours including three term hours in CA 125/325 Theater Lab or CA 165/365 Drama Touring Group, and eight hours selected from Lit 324 Contemporary Drama, CA 320 Advanced Acting, CA 495 Individual Research or Field Work, CA 116/365 (1-5 hours), and CA 125/325 (1-5 hours).

Mathematics (B.S. Degree)

Teaching Major Requirements: Fifty-five term hours are required including Mth 121, 122, 123 Calculus; Mth 321 Linear Algebra; Mth 322 Algebraic Structures; Mth 331 Probability and Statistics; Mth 411, 412 Modern Geometry; Mth 210 Basic Programming; twenty-five term hours of approved electives in mathematics.

General education requirements must include Ph 201, 202, 203 General Physics for symbolics.

Teaching Minor Requirements: Thirty-five term hours are required for the norm in elementary algebra and geometry including Mth 121, 122, 123 Calculus; Mth 210 Basic Programming; Mth 331 Probability and Statistics; Mth 321, 322 Modern Algebra; Mth 411 Modern Geometry.

Eighteen term hours are required for the norm in pre-algebra and general mathematics including Mth 121, 122, 123 Calculus and Mth 210 Basic Programming.

Music (B.A. Degree)

Teaching Major Requirements: Fifty-five term hours are required including Mus 221, 222, 223 Theory II; Mus 117, 118, 119 Introduction to Music Literature; Mus 311, 312, 313 Music History; Mus 410 Instrumentation and Orchestration; Mus 420 Composition; Mus 200 Elementary Conducting; Mus 430 Instrumental Conducting; Mus 450 Choral Conducting; four hours selected from Mus 210 String Techniques, Mus 230 Woodwind Techniques, Mus 250 Brass Techniques, Mus 260 Percussion Techniques, or Mus 270 Vocal Techniques; Mus 220 Folk Instrument Techniques; two years of private lessons; ten terms of large ensemble; piano proficiency. General educa-

tion requirements must include Mus 121, 122, 123 Theory I for symbolics.

Teaching Minor Requirements: Requirements identical with those for the major.

Physical Education (B.S. Degree)

Teaching Major Requirements: Thirty-five term hours of core courses are required including PE 360 Kinesiology; PE 441 Motor Development and Motor Skill Learning; PE 330 Organization and Administration of Physical Education; PE 200 History and Principles of Physical Education; PE 350 Care and Prevention; PE 230 First Aid; PE 221-229, 231 Professional Activities. General education requirements must include Bi 101, 102, 103 General Biology for cultural legacy; and Bi 320 Human Anatomy, and Bi 330 Physiology, and Mth 240 Statistical Procedures or G 100 Critical Thinking and Decision Making for symbolics.

Sixteen term hours in addition to the core are required to complete a major in physical education and must include PE 320 Adaptive and Corrective Physical Education, PE 400 Tests and Measurements, PE 430 Exercise Physiology, PE 475 Field Experience (one hour required), and seven term hours of upper division electives in physical education.

Teaching Minor Requirements: Requirements identical to the thirty-five-hour core of physical education courses plus Bi 320 Human Anatomy and Bi 330 Physiology.

Social Studies (B.A. or B.S. Degree)

Teaching Major Requirements: A minimum of fifty-four term hours is required including five of the following groups: (1) Hst 201, 202 United States and three to five upper division term hours in American history; (2) Hst 101, 102 Civilizations and three to five upper division term hours in world history; (3) Geo 200, 210 Geography; (4) Psc 210 American Government, Psc 230 State and Local Government, and three to four upper division term hours in political science; (5) Eco 201 Principles of Economics (Micro), Eco 202 Principles of Economics (Macro); (6) Soc 201 Principles of Sociology, Soc 202 Social

ms, and three to five upper division term hours in psychology; (7) Psy 201 General Psychology, Psy 310 Human Development, Psy 320 Psychological Foundations of Education, and three to five upper division hours in psychology; (8) Soc 301 Cultural Anthropology and Soc 332 Ethnic Groups and Social Minorities. Two of the following must be completed in courses counted above: GSc 370 Environmental Science; Soc/PSc/Econ 326 Urban Problems; Soc 326 Ethnic Groups and Social Minorities. At least 491, 492, 493 Senior Seminar is required. Credits taken in social science to fulfill general education requirements may not be applied toward the four hours. The following courses may simultaneously satisfy requirements in social science and general education: Psy 310 Human Development, Psy 320 Psychological Foundations of Education. *Teaching Minor Requirements:* Requirements identical to those for the major. Social science courses may simultaneously satisfy general education requirements when completed as a second teaching

EDUCATION

ED 375 FIELD EXPERIENCE

4 hours, maximum 6 hours. A laboratory experience consisting of work as a teacher's aide in the classroom of a public school for a minimum of 35 hours during the term. Teacher aide assignments will be assigned and supervised by the director of teacher education and school district personnel. Prerequisite: Director's permission.

ED 350 SEPTEMBER PARTICIPATION

2 hours. A two-week period of observation in the classroom of a school of the teacher education candidate at the opening of the public school year. Intended to provide a laboratory experience immediately prior to the junior sequence of professional education courses. Admission by application only.

ED 410 SOCIAL FOUNDATIONS OF EDUCATION

2 hours. An introduction to the American educational system from a social and cultural perspective with

emphasis upon the role of minority groups in a democratic society.

ED 320 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

4 hours. A study of psychological bases of learning processes including individual and group differences. Intended to relate the student's understanding of factors affecting learning, thinking, memory, transfer of training, use of learning experiences, learning climate, and other pertinent factors to modern classroom practices. Identical with Psy 320. Prerequisite: Psy 201 or permission of the instructor.

ED 330 PRINCIPLES OF SECONDARY EDUCATION

2 hours. A study of general principles of education methodology. Designed to develop competency in setting learning goals, planning teaching units, managing classroom activities, reporting pupil progress, and other related tasks. Prerequisite: Admission to the teacher education program, Ed 310, or permission of the instructor.

ED 340 TEACHING OF DEVELOPMENTAL READING

3 hours. Designed to develop competencies in a program of pupil progress and growth in reading from kindergarten through grade twelve. Deals with such basic aspects as readiness, skills in diagnosing pupils' needs, the interrelatedness of reading, composition, and other language understandings, study skills, reading rate, and comprehension.

ED 350 INSTRUCTIONAL MEDIA

2 hours. Designed to prepare the prospective teacher as well as the professional in many other fields to select, produce, and use instructional media such as pictures, posters, bulletin boards, transparencies, slides, recordings, films, television, and programmed instruction to implement learning. Two lectures and one laboratory period per week. Identical with CED 350.

ED 410 TEACHING OF PHYSICAL EDUCATION

5 hours. An analysis of objectives, curriculum construction and program planning, unit and lesson



plans, instructional methods, and evaluation procedures. Prerequisite: Ed 330.

Ed 421, 422, 423 PUBLIC SCHOOL MUSIC METHODS

3 hours, fall term; 4 hours, winter term. A certain degree of piano proficiency is required. A survey of aims, methods, materials, and repertoire used in teaching music in elementary and secondary schools. Prerequisite: Ed 330.

Ed 430 TEACHING OF LANGUAGE ARTS

4 hours. Methods of teaching secondary level courses in language arts, drama, and speech, emphasizing objectives, curriculum, procedures, and materials. Prerequisite: Ed 330. *Offered 1979-80 as alternates*

Ed 440 TEACHING OF SCIENCE

3 hours. Current philosophies and practices in teaching science at the secondary level. Provides experience in preparation, presentation, and evaluation of lessons, including observation in public school science classes. Prerequisite: Ed 330.

Ed 450 TEACHING OF MATHEMATICS

3 hours. The development, curriculum, and teaching techniques of mathematics at the secondary school level, with observations of exemplary public school mathematics programs. Prerequisite: Ed 330.

Ed 460 TEACHING OF THE SOCIAL STUDIES

3 hours. The objective, curriculum, procedures, evaluation, instructional materials, and resources in teaching social studies including observations and demonstrations. Prerequisite: Ed 330.

Ed 475 SUPERVISED TEACHING

12 hours. A laboratory experience in which principles and methods of teaching may be employed under supervision. A full-day, full-term assignment in which direct responsibility for planning and implementing learning activities is provided. Admission by application only.

Ed 485 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

Ed 490 SUPERVISED TEACHING SEMINAR

3 hours. Designed to provide liaison between the college and the public school during the supervised teaching experience. Teaching methods, professional ethics, and self-analysis of teaching behavior will be discussed. Must be taken concurrently with Ed 475 Supervised Teaching. Admission by application only.

HEALTH EDUCATION

HE 200 PERSONAL HEALTH

2 hours. Offered 1979-80 and alternate years. The basic scientific principles of healthful living applied to problems confronting children and youth. Emphasis on hygienic care of the body; rest, sleep, exercise; selection of health products; and smoking and health.

HE 202 PSYCHOLOGY OF EFFECTIVE BEHAVIOR

4 hours. Identical with Psy 202.

HE 210 COMMUNITY HEALTH PROBLEMS

2 hours. Offered 1978-79 and alternate years. A study of community health problems with particular emphasis on environmental and occupational health; child welfare; suicide; venereal disease; population explosion; and the role of governmental and voluntary health agencies.

HE 230 FIRST AID

2 hours. Offered 1979-80 and alternate years. Identical with PE 230.

HE 280 MARRIAGE AND FAMILY

4 hours. Identical with Soc 280.

HE 300 NUTRITION

4 hours. Identical with HEc 200/300.

HE 310 THE SCHOOL HEALTH PROGRAM

3 hours. Offered 1979-80 and alternate years. Purposes and procedures of health service and instruction in the schools.

Special emphasis on construction of health teaching units and selection of methods and materials.

HE 350 COMMUNICABLE AND NONCOMMUNICABLE DISEASES

2 hours. Offered 1978-79 and alternate years. Stresses the nature, prevention, and control of common diseases. Also deals with the major chronic health problems.

HE 360 DRUG EDUCATION

2 hours. Offered 1979-80 and alternate years. Problems concerned with the use and abuse of selected pharmacological agents. Social, psychological, physical, and moral implications are considered.

HE 370 ENVIRONMENTAL SCIENCE

3 hours. Offered 1978-79 and alternate years. Identical with GSc 370.

HE 380 CONSUMER HEALTH

2 hours. Offered 1978-79 and alternate years. A study of factors affecting consumerism, with emphasis in history, psychosocial factors, alternative healing philosophies, medical care, health insurance, food faddism, weight control myths, arthritis, cosmetics, cancer, medical devices and drugs, and consumer protection.

HE 390 SAFETY EDUCATION

2 hours. Offered 1979-80 and alternate years. Study of behavior related to accidents with emphasis on accident prevention and effective methods in safety education programs.

HE 285/485 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PHYSICAL EDUCATION (B.S. Degree)

General Requirements in Physical Education

Six hours of physical education are required to complete the college general education requirement.

Students may enroll in only one activity course per term. This requirement may be satisfied in the following ways:

1. One hour physical education activity or adapted activity classes.
2. Any health class will satisfy two hours of the requirement.
3. Up to three hours may be waived upon successful completion of proficiency tests in selected areas. A current Senior Life Saving certificate or a current First Aid card will waive two hours without further examination.
4. Two credits toward the six-hour requirement may be earned on intercollegiate athletic teams.
5. All Professional Activity classes meet two hours of the requirement.

Major Requirements

A student must complete a minimum of fifty-eight hours in physical education, thirty-one of which must be upper division courses, including PE 200 History and Principles of Physical Education; PE 221-229, 231 Professional Activities; PE 230 First Aid; PE 320 Adaptive and Corrective Physical Education; PE 330 Organization and Administration of Physical Education; PE 350 Care and Prevention of Athletic Injuries; PE 360 Kinesiology; PE 400 Tests and Measurements in Physical Education; PE 430 Exercise Physiology; Ed 410 Teaching of Physical Education; PE 441 Motor Development and Motor Skill Learning; PE 475 Field Experience in Physical Education. Courses selected to satisfy general education requirements should include Bi 101, 102, 103 General Biology; Bi 320 Human Anatomy; Bi 330 Physiology; and Psy 340 Statistical Procedures or GE 100 Critical Thinking and Decision Making.

See beginning of chapter for description of secondary teaching major.

Physical Education and Religion

An interdisciplinary major may be elected from the fields of physical education and religion. A minimum of seventy-two terms hours is required for the

major and may be distributed according to the following options:

Option I—A minimum of thirty-six hours in the Division of Religion (consult division for specific courses and requirements for the Bachelor of Science degree) and eighteen hours in health and physical education to include PE 227 Professional Activities, PE 230 First Aid, PE 370 Methods of Coaching or PE 380 Recreational Leadership, PE 475 Field Experience, and eight additional hours selected from PE 300 Organization and Administration of Intramural Sports, PE 229 Professional Activities Rhythms, PE 231 Professional Activities Developmental Activities, PE 320 Adaptive and Corrective Physical Education, PE 330 Organization and Administration of Physical Education, HE 390 Safety Education, HE 400 Drug Education, HE 202 Psychology of Effective Behavior, PE 370 Methods of Camping or PE 380 Recreational Leadership.

Option II—A minimum of thirty-six hours in health and physical education, to include all courses in health and physical education listed in Option I and eighteen hours in the Division of Religion.

For either option eighteen hours from one field and nine hours from two fields must be selected for art, education, psychology, music, science, speech, drama, sociology, business, Spanish, and political science.

¹⁶¹⁻¹³⁹ ~~PE 100-119~~ PHYSICAL EDUCATION ACTIVITIES

1 hour. Six hours of credit required for graduation. (Two hours of health education and/or PE 100—specifics in Physical Education—may be applied toward the required six hours.) Instruction in fundamental skills, rules, and strategy. Personal selection may be made from a variety of sports, recreational, and leisure-time activities as they are scheduled each term. Each activity may be repeated once as an advanced number beginning with a "3."

PE 125/135 ADAPTED ACTIVITIES

1 hour. Six hours of credit required for graduation. Offered to those men (125) and women (135) who are unable to participate in regular physical education.

*PE 100 Perspectives in PE
2 hrs. This course presents a general view of PE and its various courses, giving game development opportunity, & expounding movement aspects of PE. A general option.*

activities because of physical limitation. A statement from the student's physician is required.

PE 145, 245, 345, 445 ATHLETICS

1 hour. Participation on athletic teams applicable to meeting the general education requirements in physical education. Not more than two hours may be earned in any sport nor more than two hours applied toward general education.

PE 200 HISTORY AND PRINCIPLES OF PHYSICAL EDUCATION

3 hours. Offered 1978-79 and alternate years. A survey of the development of physical education with emphasis upon fundamental principles and modern programs.

PE 221 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1978-79 and alternate years. Advanced instruction in skills, teaching techniques, rules, and strategy for basketball and volleyball.

PE 222 M/W PROFESSIONAL ACTIVITIES

2 hours. Offered 1978-79 and alternate years. Advanced instruction in skills, teaching techniques, rules, and strategy covering touch football and soccer for men and speedball, flag football, and field hockey for women.

PE 223 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1979-80 and alternate years. Advanced instruction in skills, teaching techniques, spotting, and safety factors involved in tumbling and gymnastics.

PE 224 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1978-79 and alternate years. Advanced instruction in skills, teaching techniques, rules, and strategy for softball and track.

PE 225 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1979-80 and alternate years. Advanced instruction in skills, teaching techniques, rules, and strategy covering badminton and bowling.



PE 226 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1979-80 and alternate years. Advanced skills and game techniques in tennis and golf with tournament organization and administration applied.

PE 227 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1979-80 and alternate years. Advanced skills in aquatics dealing with water safety and performance strokes as well as water games.

PE 228 M/W PROFESSIONAL ACTIVITIES

2 hours. Offered 1979-80 and alternate years. Advanced instruction in skills, teaching techniques, and strategy relating to wrestling and conditioning for men; and movement, body mechanics, and conditioning for women.

PE 229 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1978-79 and alternate years. Advanced skills in folk rhythms, international folk games, and basic forms of locomotion.

PE 230 FIRST AID

2 hours. Offered 1979-80 and alternate years. Instruction in first aid, leading to the standard American Red Cross certificate.

PE 231 DEVELOPMENTAL ACTIVITIES, GAMES, AND STUNTS

2 hours. Offered 1979-80 and alternate years. Emphasis on mechanics of movement; games of low organization; fundamental sports skills; stunts and tumbling; and self-testing activities.

PE 232 CO PROFESSIONAL ACTIVITIES

2 hours. Offered 1978-79 and alternate years. Advanced instruction in archery, handball, and recreational games.

PE 300 ORGANIZATION AND ADMINISTRATION OF INTRAMURAL PROGRAMS

2 hours. Offered 1978-79 and alternate years. A study of the construction of intramural programs including objectives, methods, materials, and typical problems. Laboratory experience in the college intramural program.

PE 320 ADAPTED AND CORRECTIVE PHYSICAL EDUCATION

2 hours. Offered 1978-79 and alternate years. Special instruction in the nature and background of handicapping conditions and the implementation of suitable activity programs.

PE 330 THE ORGANIZATION AND ADMINISTRATION OF HEALTH AND PHYSICAL EDUCATION

3 hours. Offered 1978-79 and alternate years. Instruction in the planning and implementing of programs of physical education including designing curriculum; budgeting and purchasing; and use of buildings, grounds, and recreational areas. Professionalism in conduct and ethics is stressed.

PE 340 M/W RULES AND OFFICIATING

2 hours. Offered 1978-79 and alternate years for men annually for women. Advanced training and practical in officiating basketball, football, and baseball men and field hockey, volleyball, basketball, softball for women, with emphasis on techniques of professional ethics.

PE 350 THE CARE AND PREVENTION OF ATHLETIC INJURIES

2 hours. Offered 1978-79 and alternate years. Course dealing with the prevention of, first aid, and therapy for athletic injuries. Special attention given to the organization and management of training room.

PE 360 KINESIOLOGY

3 hours. Offered 1978-79 and alternate years. Application of human anatomy and physical laws to explanation of movement activities. Special emphasis is given to detailed analysis of various sports activities. Prerequisite: BI 320.

PE 370 METHODS OF CAMPING

4 hours. Identical with CM 370.

PE 380 RECREATIONAL LEADERSHIP

3 hours. Offered 1979-80 and alternate years. Application of leadership techniques, methods,

materials to recreational activities for home, school, church, camp, and community.

390 SAFETY EDUCATION

2 hours. Offered 1979-80 and alternate years. Identical with HE 390.

400 TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION

2 hours. Offered 1978-79 and alternate years. Emphasis is given to the importance of evaluation in programs of physical education. Testing procedures, standard tests, physical examinations, and evaluation activities are discussed.

410 COACHING OF FOOTBALL

2 hours. Offered 1978-79 and alternate years. Analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed.

420 COACHING OF BASKETBALL

2 hours. Offered 1979-80 and alternate years. Analysis of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and techniques of scouting are stressed.

430 EXERCISE PHYSIOLOGY

2 hours. Offered in 1979-80 and alternate years. Application of principles of physiology to physical activity. Special attention is given to the effect of exercise on the various body systems and the construction of training programs. Prerequisite: Bi 330.

440 CAMP ADMINISTRATION

2 hours. Offered 1979-80 and alternate years. Identical with CM 480.

441 MOTOR DEVELOPMENT AND MOTOR SKILL LEARNING

2 hours. A study of the development of motor skills with specific application of the psychological principles of learning to motor skill learning. A review of research and an inquiry into the effect of various con-

ditions on the learning and performance of motor skills.

PE 450 COACHING OF BASEBALL

2 hours. Offered 1978-79 and alternate years. A study of systems of play, principles of offense and defense, and strategies of the game. The organization of practice sessions, administration of games, and the techniques of scouting are stressed.

PE 460 COACHING OF TRACK AND FIELD

2 hours. Offered 1979-80 and alternate years. A study of the principles of coaching each event. The organization of practice sessions and the strategy for and administration of meets.

PE 475 FIELD EXPERIENCE IN HEALTH, PHYSICAL EDUCATION, AND RECREATION

1-5 hours. Supervised experience in health, physical education, or recreation institutions. Prerequisite: Consent of instructor.

PE 485 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PE 295/495 SPECIAL STUDY

1-3 hours. Individual research under the guidance of the faculty. Prerequisite: Consent of instructor.

Division of Fine and Applied Arts

Basic objectives of the division are:

1. To give students an opportunity to acquire an appreciation of art, a knowledge of art fundamentals, and a basic foundation for further study in art.

2. To give students an opportunity to acquire an appreciation of music through chapel programs, recitals, and concerts.

3. To give all students an understanding of music through general courses such as Survey of Music, Applied Music, Music Ensembles.

4. To equip talented students with skills needed to pursue a career in music.

ART

GE 120 SURVEY OF ART

2 hours. A survey of the elements and concepts of art theory and practice as reflected in culturally and historically significant painting, sculpture, architecture, and other art forms.

AA 111, 112 BASIC DESIGN

2 hours each term. First quarter, introduction to two-dimensional design with a focus on line, color, form, and other aspects of two-dimensional design in graphics. Second quarter, introduction to three-dimensional design as it applies to sculptural forms in stone, clay, wood, and plaster.

AA 210, 220, 230 CERAMICS

2 hours each term. First quarter, introduction to techniques of pinch, coil, and slab, and basic glazing processes. Second quarter, continuation of hand-building techniques, including design aspects and various glazing techniques. Third quarter, wheel-thrown work with instruction in glaze mixing, firing, and stacking the kiln, and clay prospecting.

AA 211, 212, 213 STUDIO ART

2 hours each term. Fall term, primary focus on drawing techniques using charcoal, pencil, pen and ink,

and washes. Winter term, introduction to techniques in painting, sculpture, and silkscreen printing. Instruction will be individualized. Spring term, continuation of winter term media study.

AA 222 CRAFTS

2 hours. Focus on crafts using natural materials, creative approaches to discarded materials, and development of techniques and methods in crafts.

AA 231, 232/331, 332 CALLIGRAPHY (Lettering)

2 hours each term. First term, study of the Italic alphabet using the edged pen. Introduction to variations of Italic and Roman cap alphabet. Second term, study of Roman, Uncial, Textura, and Gothic cursive alphabets. Emphasis on work for reproduction. First term prerequisite to second term.

AA 295/495 SPECIAL STUDY

1-3 hours per term. Special projects in art by permission of the instructor.

MUSIC (B.A. Degree)

Major Requirements

A student must complete a minimum of fifty-three term hours in music in addition to private lessons and ensemble classes. Students also must pass a piano proficiency test. Mus 121, 122, 123 Theory I fulfills the symbolics requirement in general education. Required courses: Mus 117, 118, 119 Introduction to Music Literature; Mus 221, 222, 223 Theory II; Mus 200 Elementary Conducting; Mus 311, 312 Form and Analysis; Mus 420 Composition; and Mus 491, 492 Senior Seminar. Students must enroll in an applied lesson and a large ensemble each term they are registered as a major.

See the Division of Education for description of requirements for secondary teaching majors and minors.

Interdisciplinary Majors (B.A. Degree)

Music and Religion. An interdisciplinary major may be elected from the field of music and religion

Minimum of seventy-two term hours is required for the Music and Religion major and must be distributed as follows: a minimum of thirty-six hours in the liberal arts; eighteen hours in religion; and nine hours in one of the following fields: art, education, psychology, science, communication arts, drama, sociology, business, Spanish, political science, and physical education. A student may elect one eighteen-hour block rather than two nine-hour blocks. The required eighteen hours for a Religion/Music major include: Theory I, Elementary Conducting, Church Music, Hymnology, Vocal Techniques, and Ensemble (three terms). The required thirty-six hours for a Religion/Music major include, in addition to the above, Music History, Folk Instrument (guitar) Techniques, Senior Seminar, Applied Lessons (three terms), and Ensemble (four terms). The eighteen hours taken in the Division of Religion may be chosen from the following: Christian ministries, Bible, philosophy, and religion after consultation with the religion faculty.

Religion and Music

See Division V for description of the Religion and Music major.

Requirements

A student must complete a minimum of twenty-four term hours in addition to two years of private lessons and ensemble experience. Required courses: Music 101, 102, 103, 104, 105, 106, 107, 108, 109 Introduction to Music Literature; Music 110, 111, 112, 113 Theory I; and three hours of music electives.

Private Music

Individual instruction is offered in piano, voice, strings, woodwinds, brass, percussion, and guitar. Private lessons carry one term credit for one lesson per week. Music majors are required to enroll in applied music lessons each term they are listed as a major. Music Education majors are required to enroll in applied lessons for two years or until they complete a half recital. All students enter the program at the 100 level and auto-



matically advance to the 200 level. However, before being advanced to upper division study, the student must pass a faculty jury. All students are expected to perform periodically in studio or public recital. However, no student who has not advanced to upper division study levels will be permitted to present a full or half recital.

Mus 105, 205, 305, 405 VOICE

1 hour. Study of proper voice production with emphasis on posture, breathing, and resonance. Studies from the standard repertoires including English songs, Italian classics, German lieder, French art songs, oratorio and operatic arias, and selected contemporary works.

Mus 105, 205, 305, 405 PIANO

1 hour. Technical exercises, scales, and arpeggios in various rhythms, etudes of varying difficulty such as those by Duvernoy, Burgmuller, Heller, Czerny, and Clementi. Preludes and fugues, suites and partitas, and Bach's inventions. Sonatas by Mozart, Haydn, Beethoven, and Schubert. Selected concertos. Compositions by romantic and modern composers.

Mus 105, 205, 305, 405 ORGAN

1 hour. Basic study of pedal and manual techniques. Standard works from the Baroque, Classic, Romantic, and Modern periods.

Mus 105, 205, 305, 405 STRINGS

1 hour. Instruction of violin, viola, cello, and string bass. Basic fundamentals, posture, bow and arm techniques, shifting, and vibrato. Scales and arpeggios. Representative studies. Sonatas and concertos. Orchestral studies.

Mus 105, 205, 305, 405 WOODWINDS

1 hour. Instruction on flute, clarinet, oboe, and bassoon. Tone production, scales, and arpeggios in various articulations. Technical studies. Works from the standard solo repertoire. Orchestral studies.

Mus 105, 205, 305, 405 BRASS

1 hour. Instruction on trumpet, French horn, trombone, baritone, and tuba. Emphasis upon breath control, tone production, embouchure development, and tonguing techniques. Technical studies and sonatas selected from representative composers with respect to the student's performing level.

Mus 105, 205, 305, 405 PERCUSSION

1 hour. Instruction on snare drum and various percussion instruments. Reference study of all percussion instruments used in concert band and symphony orchestra performances.

Mus 105, 205, 305, 405 GUITAR

1 hour. Study of playing techniques with emphasis on chordal knowledge and basic strums. Solos and ensemble pieces will be included for each student with his performance level.

Ensemble Music

Mus 115, 215, 315, 415 ORATORIO CHOIR

1/2 hour. The oratorio choir is open to all college students and performs sacred music for large choir. Performances are accompanied by the college orchestra.

Mus 125, 225, 325, 425 A CAPPELLA CHOIR

1 or 1/2 hour. The a cappella choir consists of students selected by audition. Representative choral music from the Renaissance to the twentieth century is studied. An extended choir tour is made each year.

Mus 125s, 225s, 325s, 425s MUSIC THEATRE

1 or 1/2 hour. This course is for the training of music students in the performance of staged musicals, dramas, operas, church, and Broadway musicals. Two productions will be presented each year.

Mus 135, 235, 335, 435 NEW VISION SINGERS

1 or 1/2 hour. This ensemble performs in winter and spring terms for church and community organizations.

Mus 135s, 235s, 335s, 435s VOCAL ENSEMBLE

1/2 hour. Summer touring ensembles, chamber choir, or any small vocal ensemble directed by music faculty. Prerequisite: audition before vocal music faculty.

Mus 145, 245, 345, 445 CONCERT BAND

1/2 hour. Standard band works are performed at three annual concerts. An extended tour is made each year. Admission by consent of the instructor.

Mus 145s, 245s, 345s, 445s JAZZ ENSEMBLE

1/2 hour. A course to train music educators in jazz literature through performance for athletic events and public concerts.

Mus 155, 255, 355, 455 ORCHESTRA

1/2 hour. Literature for the small orchestra is performed at two formal concerts in the spring. The orchestra also provides the accompaniment for the oratorio choir in the fall.

Mus 165, 265, 365, 465 INSTRUMENTAL ENSEMBLE

1/2 hour. Each ensemble will be auditioned and supervised by a music faculty member.

Music Theory and Literature

GE 110 SURVEY OF MUSIC

2 hours. A survey of the important historical periods of music designed to acquaint the liberal arts student with the major composers and their representative works. Identical with Mus 112 Music Fundamentals.

Mus 111, 112, 113 MUSIC FUNDAMENTALS

2 hours each term. Fall term, Mus 111 elementary theory, a study of the principles of notation, melody, rhythm, scales, and chords. Winter term, Mus 112, identical with GE 110 Survey of Music. Spring term, Mus 113, methods for teaching music in the elementary school.

Mus 117, 118, 119 INTRODUCTION TO MUSIC LITERATURE

2 hours each term. A course to develop music appreciation through extensive listening to standard works.

Study of vocal and instrumental forms and styles of the various periods.

Mus 121, 122, 123 THEORY I

4 hours each term. An integrated course in basic musicianship, ear training, sight singing, dictation, keyboard harmony, analysis, and part writing. Includes all diatonic harmonies and simple modulations.

Mus 130 CLASS PIANO

1 hour. May be repeated for credit. Elementary to intermediate level class instruction in piano. Required of (1) music (teaching) majors unless waived by demonstration of acceptable proficiency; (2) any student desiring applied piano who has not yet reached the entrance level of proficiency.

Mus 200 ELEMENTARY CONDUCTING

2 hours. Emphasis on mastery of simple conducting patterns, cues, expressive gestures, and common problems in leading group singing and small instrumental ensembles.

Mus 210 STRING TECHNIQUES

1 hour. Offered 1979-80 and alternate years. Elementary class instruction in the techniques of playing stringed instruments (one term of violin and one of cello are offered) to provide adequate teaching knowledge.

Mus 220 FOLK INSTRUMENT TECHNIQUES

1 hour. Offered 1978-79 and alternate years. Elementary class instruction in the techniques of playing folk guitar to provide adequate teaching knowledge.

Mus 221, 222, 223/321, 322, 323 THEORY II

4 hours each term. A continuation of Theory I. Includes chromatic harmonies and remote modulations. Introduction to twentieth century harmonic usage. Creative work is required. Prerequisite: Mus 121, 122, 123.

Mus 230 WOODWIND TECHNIQUES

1 hour. Offered 1978-79 and alternate years. Elementary class instruction in the techniques of playing

woodwind instruments (one term of clarinet and one of flute are offered) to provide adequate teaching knowledge.

Mus 250 BRASS TECHNIQUES

1 hour. Offered 1979-80 and alternate years. Elementary class instruction in the techniques of playing brass instruments to provide adequate teaching knowledge.

Mus 260 PERCUSSION TECHNIQUES

1 hour. Offered 1978-79 and alternate years. Elementary class instruction in the techniques of playing percussion instruments to provide adequate teaching knowledge.

Mus 270 VOCAL TECHNIQUES

1 hour. Offered 1979-80 and alternate years. Elementary class instruction in the techniques of singing to provide adequate teaching knowledge. Recommended for the beginning voice student to gain a knowledge of basic singing techniques.

Mus 275 FIELD EXPERIENCE

1-5 hours. Supervised experience as music apprentice in church or community position. Prerequisite: consent of advisor and division chairman.

Mus 310 COUNTERPOINT

3 hours. Offered 1978-79 and alternate years. Principles of eighteenth century polyphony. Detailed study of the works of J. S. Bach and his contemporaries. Original composition required. Recommended for all music majors.

Mus 311, 312, 313 MUSIC HISTORY

3 hours each term. Offered 1978-79 and alternate years. A study of the development of music from antiquity through the twentieth century. Comparisons are made to the development of the other arts. Concentrated study of music literature emphasizing the change in musical styles during the different historical periods. Prerequisites: Mus 121, 122, 123 and Mus 117, 118, 119.

Mus 320 FORM AND ANALYSIS

3 hours. Offered 1979-80 and alternate years. Detailed study of the structural components of music, including the motive, phrase, and period. Application to principal contrapuntal and homophonic forms of the Classic, Romantic, and Modern periods. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

Mus 340 CHURCH MUSIC

3 hours. Offered 1979-80 and alternate years. Study of the place, function, and contribution of music in the church with emphasis on current trends in contemporary church music. Required of interdisciplinary majors and recommended for any student anticipating a church vocation.

Mus 350 HYMNOLOGY

3 hours. Offered 1978-79 and alternate years. A historical study of the music of the Bible, pre-Reformation, post-Reformation, and modern hymns. Required of interdisciplinary majors and recommended for all students interested in the music of the church.

GE 375 CULTURAL EXPERIENCE

Maximum 15 hours. Supervised experience in a cultural setting that contributes to the educational growth of the student. Prerequisite: consent of advisor and division chairman.

Mus 410 INSTRUMENTATION AND ORCHESTRATION

3 hours. Offered 1978-79 and alternate years. Study of the instruments of the orchestra and band, including their ranges, characteristics, and capabilities. Practical application of the principles of arranging and scoring for orchestra-band instrumental combinations. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

Mus 420 COMPOSITION

3 hours. Offered 1978-79 and alternate years. Detailed study of representative works in the contemporary musical idiom and creative writing in the same forms. Prerequisites: Mus 121, 122, 123 and Mus 221, 222, 223.

30 INSTRUMENTAL CONDUCTING

rs. Offered 1979-80 and alternate years. Designed to acquaint the student with the intricacies of conducting band, orchestra, and instrumental ensembles. Basic conducting patterns are reviewed, and some practical experience is given with the band and small instrumental ensembles.

30 CHORAL CONDUCTING

rs. Offered 1978-79 and alternate years. Designed primarily for music majors. Advanced work in choral and modern patterns of conducting, synchronization, cueing, and expressive gestures. Practical experience in directing the a cappella choir is provided.

35 FIELD EXPERIENCE

rs. Supervised experience in music apprenticeship as conductor, performer, composer, etc. Prerequisite: consent of music faculty.

35 SELECTED TOPICS

rs. A seminar lecture class concerned with current faculty interests and areas of research. Topics include keyboard pedagogy, keyboard improvisation, piano technician, language orientation for the contemporary literature, moog synthesizer, pedagogy, history of Black music, and chamber, electronic, and choral literature.

391, 492 SENIOR SEMINAR

Fall term, 2 hours winter term. Fall term is designed to bring music majors together for seminars. Winter term is designed to have each student prepare a project, which will be presented before an audience and filed permanently in the music department.

395 SPECIAL STUDY

rs. Individual research under the guidance of music faculty. Prerequisite: consent of music faculty.



Division of Language Arts

Basic objectives of this division are:

1. To help students to communicate accurately, effectively, and logically in both oral and written expression.

2. To introduce students to the implications of modern media for communication.

3. To acquaint students with the language, literature, attitudes, and ideas of other nations and cultures.

4. To challenge students with significant ideas that grow out of world thinking and enlarge their understanding, appreciation, and enjoyment of literature.

5. To prepare students for employment and for graduate study in their chosen field or profession. A Language Arts major would be useful preparation for such fields as teaching, writing, editing, publishing, seminary, library science, theatre arts, business, law, and other communication-related vocations.

Major Requirements

The Division of Language Arts offers majors in English Literature and Communication Arts as well as secondary teaching majors in both of these fields. (See Division of Education for description of teaching programs.)

Students selecting any of these majors will complete the requirements specified in General Education for a B.A. degree and complete the requirements specified in the major selected. (See each major for specified requirements.)

COMMUNICATION ARTS (B.A. Degree)

Communication Arts features an interdisciplinary approach to communication that integrates the interests of speech communication, drama, journalism, and media with a

common core of courses in communication and rhetorical theory.

Major Requirements

Total major hours: Fifty-four hours (24 hours lower division; 30 hours upper division). Communication Arts majors must take Psy 201 General Psychology as part of the General Education program. Soc 201 Principles of Sociology and Psy 340 Statistical Procedures are recommended.

Core Courses: The following courses are required of all Communication Arts majors: CA 110 Interpersonal Communication; CA 300 Communication Theory; CA 400 Critical Approaches to Communication; CA 410 The Interface of Christianity and Communication Arts.

Communication Practicum: Twelve hours of practicum courses are required for all Communication Arts majors, eight of which must be off-campus experiences. CA 275 (4 hours) and CA 475 (4 hours) are required plus four additional hours from among: CA 125/325 Theatre Laboratory; CA 165/365 Drama Touring Group; CA 205/305 Communication Workshop; CA 315 Publications Practicum.

Electives: Communication Arts majors must choose from among the courses below at least twenty-six hours, including sufficient upper-division work to total thirty hours for the major when added to upper-division courses in the core and practicum. Courses other than these may be substituted with the approval of advisor and division chairman. AA 110, 111 Basic Design; CA 120 Introduction to Acting; CA 125/325 Theatre Laboratory (if not taken in practicum limit two hours); CA 165/365 Drama Touring Group (if not taken in practicum; limit three hours); CA 220 Oral Interpretation; CA 230 Introduction to Journalism; CA 285/485 Selected Topics; Psy 300 Group Dynamics; Ling 300 General and Cultural Linguistics; CA 305 Communication Workshop (limited to 4 hours beyond practicum); CA 310 Persuasive Communication; CA 320 Advanced Approaches to Acting; Lit 320 Contemporary Drama; CA 330 Studies on Mass Media and Popular Culture; Wr 350 Creative Writing; Ed,

CM 350 Instructional Media; Soc 350 Social Psychology; CA 495 Individual Research; CA 311 Organizational Communication; CA 411 Homiletics.

Note: In no case may more than four hours of elective credit in the major be earned in practicum courses in addition to the twelve hours specified under "Communication Practicum."

CA 110 BRIDGES, NOT WALLS: AN INTRODUCTION TO INTERPERSONAL COMMUNICATION

4 hours. Introduction to theory and practice of dyadic and small group communication through preparation of and participation in interpersonal communication experiences. Attention given to intrapersonal communication, nonverbal communication, and listening behavior.

CA 111 THE RHETORICAL IDIOM: AN INTRODUCTION TO PUBLIC COMMUNICATION

4 hours. Introduction to speech communication in semiformal and formal settings. Emphasis upon analysis of rhetorical situations, design of rhetorical strategies, and evaluation of communicative efforts. Students will prepare and deliver speeches in several rhetorical contexts.

CA 120 THE MAGIC IF: AN INTRODUCTION TO ACTING

4 hours. Offered 1979-80 and alternate years. Study of basic principles of acting, including survey of acting theories, performance of scenes, critical observation, analysis and criticism of productions.

CA 125/325 ONSTAGE, BACKSTAGE: THEATRE LABORATORY

1-2 hours. The practical application of theatre techniques in connection with dramatic productions. Open to any student taking part in productions. Maximum twelve hours total.

CA 165/365 INTER-MISSION: DRAMA TOURING GROUP

1 hour each term for three terms. Entrance by tryout for the current religious drama touring group. Students are expected to remain with the troupe the

entire year. Must be taken on a pass-no pass basis. Maximum six hours total.

CA 205/305 CREATIVITY STREET: COMMUNICATION WORKSHOP

4 hours. A course designed to provide supervised on-campus practical communication experiences in the form of student projects in journalism, format design, photography, editorial writing, media production, radio, and public speaking. A maximum of eight hours credit may be earned. Prerequisite: CA 110 or 111.

CA 221 WORD-STITCHING, TALE-TELLING: AN INTRODUCTION TO THE ORAL INTERPRETATION OF LITERATURE

4 hours. Offered 1979-80 and alternate years. Introduction to the aesthetic basis of speech communication through the analysis and oral presentation of various genres of literature. Attention given the development of skills requisite to understanding literature and communicating its levels of meaning by reading aloud. Includes consideration of oral reading of biblical literature.

CA 230 THE FOURTH ESTATE: AN INTRODUCTION TO JOURNALISM

4 hours. A course designed to give fundamental knowledge and practice in reporting, writing, and editing the news; writing features and editorials; studying the organization and techniques of newspapers and other media of mass communication. Prerequisite: Permission of instructor.

CA 275/475 FIELD EXPERIENCE

1-15 hours may be earned at the discretion of the department and chairman of the division, eight hours of which may apply to the Communication Arts major. Students must have the instructor's permission to register for the course. Attendance at a weekly seminar is required in addition to the demands of field placement.

CA 285/485 SELECTED TOPICS

4 hours. A variety of topics may be offered that reflect interests of faculty, visiting professors, or recent

issues in communication. Prerequisite: CA 110, 111, or 300. Permission of instructor is required for upper division credit.

CA 300 NO GAPS: AN INTRODUCTION TO COMMUNICATION THEORY

4 hours. Offered 1979-80. Study of the process and theories of communication from classical and modern perspectives. Historical development of major rhetorical theories. Consideration of current knowledge in intrapersonal, interpersonal, public, and cross-cultural communication. Prerequisite: CA 110 or 111.

CA 310 VISIONS AND UNVISIONS: STUDIES IN PERSUASIVE COMMUNICATION

4 hours. Offered 1978-79 and alternate years. Focus on methods of attitude change in public discourse, small group communication, and mass media. Critical examination of propaganda techniques. Analysis of current behavioral research in persuasion. Preparation of student speeches and other rhetorical efforts intended to influence attitudes. Prerequisite: CA 110, 111, or 300.

CA 311 THE BUSINESS OF COMMUNICATING: AN INTRODUCTION TO ORGANIZATIONAL COMMUNICATION

4 hours. Offered 1978-79. A study of interpersonal, small group, and public communication in business settings. Prerequisite: CA 110 or 111.

CA 315 THE POISED PEN: PUBLICATIONS PRACTICUM

1 hour each term. An advanced course in the producing of student publications including the newspaper and yearbook. Entrance by permission of instructor. Maximum six hours credit. Must be taken on pass-no pass basis.

CA 320 VERISIMILITUDE AND BEYOND: ADVANCED APPROACHES TO ACTING

4 hours. Offered 1978-79 and alternate years. Problems of characterization, styles, and characteristics of acting in various dramatic media; emphasis on improvisations; instruction in movement and timing;

presentation of scenes of various types. Additional hours required. Prerequisite: CA 120 or permission of instructor.

CA 330 HUNGRY EYES AND THIRSTY EARS: STUDIES IN MASS MEDIA AND POPULAR CULTURE

4 hours. Offered 1979-80 and alternate years. Survey of the historical development of newspaper, magazines, broadcast media, and cinema. Analysis of the role(s) of mass media in shaping and altering opinion and values in contemporary culture.

CA 400 THE MANY-WINDOWED HOUSE: CRITICAL APPROACHES TO COMMUNICATION

4 hours. Offered 1979-80 and alternate years. Methods of rhetorical criticism as applied to public communication of the past and present including, but not limited to, speeches, broadcasts, films, and campaigns. Analysis of current trends in rhetorical criticism. Prerequisite: CA 300 and either CA 310 or 311 or permission of instructor.

CA 410 NO MAN'S LAND: STUDIES IN THE INTERFACE OF CHRISTIANITY AND COMMUNICATION ARTS

4 hours. Offered 1978-79 and alternate years. Assessment of the impact of various modes of communication on contemporary Christianity. Historical perspective of communication formats used by the church. Prerequisite: CA 300 or permission of instructor.

CA 411 THE GREAT COMMISSION: INTRODUCTION TO HOMILETIC TECHNIQUES

4 hours. Offered 1978-79. Study of preaching in the life of the church. Preparation and delivery of student sermons with varying purposes and formats. Prerequisite: CA 111.

CA 495 INDIVIDUAL RESEARCH

1-4 hours may be earned at the discretion of the department and chairman of the division. Student must have permission to register for the course. Must be taken on a pass-no pass basis.

LANGUAGES: GREEK

201, 202, 203 FIRST-YEAR NEW TESTAMENT

K Offered 1978-79 & alternate years

3 hours each term. A beginner's course in the Greek New Testament, including vocabulary, grammar, declensions, conjugations, and special constructions. The First Epistle of John and various other selections from the New Testament are read.

201, 202, 203 SECOND-YEAR NEW TESTAMENT

K Offered 78-79 & 79-80 & then alternate years

3 hours each term. Review of the Greek grammar and advanced studies. Selections from the Greek New Testament are read, with attention to grammar and exegesis. Identical with B 201, 202, 203. Prerequisite: 201, 202, 203 First-year New Testament Greek.

201, 302, 303 NEW TESTAMENT GREEK

3 hours each term. Identical with Gr 201, 202, 203, upper division. *Offered 78-79 & 79-80 & then alternate yrs.*



LANGUAGES: SPANISH

201, 202, 203 FIRST-YEAR SPANISH

3 hours each term. Offered 1978-79 and alternate years. Elementary practice in listening, speaking, reading, and writing Spanish. A study of the elements of grammar. Regular laboratory practice.

201, 202, 203 INTERMEDIATE SPANISH

3 hours each term. Offered 1979-80 and alternate years. An extension of listening, speaking, and writing with review of grammar. Reading of short stories and essays with reports and individual projects. Regular laboratory practice.

295 INDIVIDUAL RESEARCH OR FIELD WORK

3 hours may be earned for work taken in a Spanish-speaking institution of higher learning. Courses taken must be in conversation and grammar and must be approved in advance by the language instructor and chairman of the division.



LITERATURE (B.A. Degree)

Major Requirements

To complete the minimum of fifty-six hours, the student should select courses that give him a balanced historical and generic appreciation of the development of literature. In addition to his literature courses, it is recommended that the student investigate such supportive studies as Hst 331, 332 England; Hst 460 Twentieth Century United States; Phl 210 Introduction to Philosophy. These provide an ideological basis for literary studies.

The following courses are required for all literature majors: Lit 201, 202 English Literary Heritage; Lit 311, 312 American Literary Heritage; Lit 251 or 252 World Literature; Lit 344 Literary Criticism; Lit 381 Shakespeare; four hours in contemporary literature; Ling 300 Linguistics; four hours in writing courses; sixteen hours in electives.

Lit 201, 202 THIS SCEPTERED ISLE: THE ENGLISH LITERARY HERITAGE

4 hours each term. Offered 1979-80 and alternate years. A historic survey of the literature of "Merrie Englande," from Anglo-Saxon to modern times. Themes, movements, and genres will be discussed as they form the rich tapestry of the literature of our native tongue.

Lit 240 THE IMAGINATIVE RESPONSE: MAJOR THEMES IN LITERATURE

4 hours. A course that introduces the student to some of the major themes common in literature. Included will be some study of the major forms of literature, as well.

Lit 251, 252 THE HUMAN CONDITION: MASTERPIECES OF WORLD LITERATURE

4 hours each term. Offered 1978-79 and alternate years. A survey of selected Western and non-Western literature from the classical to modern periods stressing those themes and forms that exemplify the ideals and concerns of our shared human condition.

*Lit 324 Now You See It: Contemporary
4 hrs. Offered 78-79 & alternate years
selected European & American drama since*

Lit 285/485 PEARLS OF PRICE: SELECTED LITERARY TOPICS

4 hours. A course offered occasionally by the staff as an avenue whereby professors and students may investigate interesting literary byways as desired. Such courses have included studies in science-fiction, C. S. Lewis, satire, the detective novel, biography, ethical problems in literature.

Ling 300 THE FORME OF SPEECH IS CHAUNGE: GENERAL AND CULTURAL LINGUISTICS

4 hours. Offered 1979-80 and alternate years. A course combining study of the history of the English language and modern linguistic theories. The International Phonetic Alphabet will be studied, and historical backgrounds will form a cultural matrix for the course.

Lit 311, 312 ON NATIVE SOIL: THE AMERICAN LITERARY HERITAGE

4 hours each term. Offered 1978-79 and alternate years. A course survey of American literature stressing those themes and forms that represent the development of American thought and literary achievement.

Lit 320 THE EXUBERANCE AND THE AGONY: ENGLISH AUGUSTAN AND ROMANTIC WRITERS

4 hours. Offered 1979-80 and alternate years. A course examining premises of taste in English literature from 1660-1832, concentrating on the major Augustan writers and writers of the Romantic movement.

Lit 344 WHERE SENSE AND SENSITIVITY MEET: LITERARY CRITICISM

4 hours. Offered 1978-79 and alternate years. An exploration of the theoretical and practical aspects of literary criticism. Theoretical works from Aristotle to the present day form a historical matrix from which practical studies of specific works will be built.

Lit 381 THE MIRROR UP TO NATURE: SHAKESPEARE AND HIS CONTEMPORARIES

4 hours. Offered 1979-80 and alternate years. A study of Shakespeare's major plays and selected plays of other Elizabethan and Jacobean playwrights.

Lit 444 LITERATURE FOR ADOLESCENTS

4 hours. Offered 1978-79 and alternate years. A study of the literature taught in junior and senior high schools.

Lit 473 ECHOES IN THE VOID: THE TWENTIETH CENTURY NOVEL

4 hours. Offered 1979-80 and alternate years. An examination of the main trends in twentieth century novel writing. The course includes an introduction to selected European, English, and American novelists as they relate through common themes.

Lit 474 ANGUISH AND AFFIRMATION: TWENTIETH CENTURY POETRY

4 hours. Offered 1979-80 and alternate years. An examination of British and American poetry from the turn of the century to the present. Some consideration in translation of significant non-English writers of this period.

Lit 497, 498, 499 ENGLISH PRACTICUM

One hour per term. This course is designed for students who have a desire to become professionals in English, notably in teaching. It is restricted to selected students capable of assisting in lower-level English courses as discussion leaders, readers, and assistants. Enrollment in the course is strictly limited, and students wishing to take the course must consult with the division chairman and the professor involved.

WRITING

Wr 95 WRITING RIGHT: ENGLISH SKILLS

1-4 hours credit. Offered each term. Individualized laboratory classes devoted respectively to reading, spelling, composition, and research skills. Entrance by professional recommendation or examination

results. The class is designed to enrich a student's basic writing skills.

Wr 111 WRITING AS THINKING: THE EFFECTIVE WRITER

4 hours credit. A course concentrating on expository writing, with an introduction to basic research methods. Technical and argumentative writing are also introduced in the course.

Wr 310 POLISHED PROSE: COMPOSITION FOR TEACHERS

4 hours. Offered 1978-79 and alternate years. A course designed to assist the aspiring student teacher to polish his own skill in composition and acquire helpful techniques that will assist him in teaching the craft of writing.

Wr 350 THE MIND'S EYE: CREATIVE WRITING

4 hours. A workshop approach to the writing of imaginative literature including poetry, fiction, and drama. Students will write and prepare for publication original works in two or more areas. Prerequisite: English 111 or instructor's permission.

offered 79-80 & alternate years.

Division of Natural Sciences

Basic objectives of the division are:

1. To provide appropriate training and background for careers in science and related areas.
2. To provide a basis for continued studies in environmental science, medicine, dentistry, medical technology, and science education.
3. To build scientific literacy as a part of a liberal education.
4. To provide a background for studies in business, social areas, educational fields, and related subjects.

Majors Offered

The division offers subject majors in biology, chemistry, home economics, and mathematics. It offers secondary teaching majors and minors in biology, integrated science, and mathematics (see the Education Division for description of the teaching programs).

In addition to the majors listed in the chapter, "The Academic Program," the Division of Natural Science offers a joint degree Medical Technology program with Good Samaritan Hospital in Portland.

Interdisciplinary Majors

A number of interdisciplinary options are available and encouraged by this division. Examples might be science plus business, or home economics plus sociology, etc. A student may propose his own option in counsel with members of the division.

BIOLOGY (B.S. Degree)

Major Requirements

Fifty-one term hours in biology are required including Bi 101, 102, 103 General Biology and at least thirty-nine hours of upper division biology courses to include two courses in Botany, two courses in Zoology, one field course, one experimental

laboratory course, and Bi 491, 492, 493 Senior Seminar. In the general education program, eight hours of Ch 111, 112 General Chemistry are required under Cultural Legacy, and eight hours of Ch 231, 232 Organic Chemistry and four hours of Ch 210 Quantitative Chemistry are required under symbolics. In addition, four hours of Mth 195 (College Algebra) are required. Each biology major is required to prepare a research paper during his senior year, which must report independent research.

Bi 101, 102, 103 GENERAL BIOLOGY

4 hours each term. An introduction to the science of living things. Includes human anatomy and physiology, a study of the anatomy and physiology of higher plants, an introduction to the study of heredity, and a brief survey of the plant and animal kingdoms. Three lectures and one laboratory period per week.

Bi 300 DEVELOPMENTAL BIOLOGY

4 hours. Offered 1978-79 and alternate years. Cell and tissue differentiation studies as they apply to growth and development; physiological and molecular emphasis. Three lectures and one two-hour laboratory per week.

Bi 310 VERTEBRATE EMBRYOLOGY

4 hours. Offered 1979-80 and alternate years. A study of cleavage, organogenesis, and general development of typical vertebrates. Two lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 311, 312 PLANT MORPHOLOGY

5 hours each term. Offered 1979-80 and alternate years. A survey of the plant kingdom emphasizing form, reproduction, development, and classification. Four lectures and one laboratory period per week.

Bi 320 HUMAN ANATOMY

5 hours. Offered 1978-79 and alternate years. A study in detail of the major systems of the human body. Three lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 321, 322 COMPARATIVE VERTEBRATE ANATOMY
4 hours each term. Offered 1978-79 and alternate years. A comparative study of the members of the phylum Chordata. Two lectures and two laboratory periods per week. Prerequisite: Bi 101, 102, 103.

Bi 330 PHYSIOLOGY

4 hours. Functions of the human body, stressing tissues, organs, and organ systems. Two lectures and two laboratory periods each week. Prerequisite: Bi 101, 102, 103.

Bi 340 PLANT PHYSIOLOGY

5 hours. Offered 1978-79 and alternate years. A study of plant function from the level of the organelle to that of the organ. Photosynthesis, respiration, water relations, growth and development, mineral nutrition, and other topics will be covered. Four lectures and one laboratory period per week. Prerequisite: Bi 101, 102, 103.

Bi 350 GENETICS

3 hours. Offered 1979-80 and alternate years. A study of the basic principles of inheritance. Suggested as a valuable elective for students in psychology, sociology, theology, or education. Three lectures per week. Prerequisite: Bi 101, 102, 103.

Bi 350L GENETICS LABORATORY

1 hour. Offered 1979-80 and alternate years. Optional in combination with Bi 350.

Bi 360 ECOLOGY

4 hours. Offered 1979-80 and alternate years. A study of the relationship of living organisms to their environment. Prerequisite: Bi 101, 102, 103.

Bi 370 GENERAL MICROBIOLOGY

5 hours. Offered 1979-80 and alternate years. A course in the structure, metabolism, classification, health aspects, and commercial applications of microorganisms. Methods of microbiological investigation are emphasized. Three lectures and two laboratory periods per week.

Bi 380 ORNITHOLOGY

4 hours. Offered 1978-79 and alternate years. A study of bird structure, adaptations, migrations, identification, habits, and economic importance. Designed for students with a hobby interest in birds and for biology majors. Two lectures per week with laboratory and extensive field work. Prerequisite: Bi 101, 102, 103.

Bi 390 PLANTS, CULTURE, AND MAN

3 hours. Offered 1978-79 and alternate years. This course covers history and background of plant domestication, crop improvement, plant groups and uses, and folklore regarding plants and their uses. Prerequisite: Bi 103 or permission of instructor.

Bi 420 CELL BIOLOGY

4 hours. Offered 1978-79 and alternate years. Cell ultrastructure and organization, respiration, physiology of muscular contraction, photosynthesis, molecular biology, research methods, and molecular neurobiology are topics covered. Prerequisites: Bi 350, Ch 232.

Bi 430 EVOLUTION

3 hours. Offered 1979-80 and alternate years. A study of the theory of organic evolution as it relates to the taxonomic units of living organisms and a survey of the various schools of thought in the interpretation of evolution.

Bi 460 SYSTEMATIC BOTANY

4 hours. Offered 1979-80 and alternate years. Collection, identification, and classification with emphasis on the Angiosperms. Topics in experimental taxonomy, literature of taxonomy, systems and history of classification, and evolution of the Angiosperms are considered. Two lectures and two laboratory sessions per week and field work.

Bi 461 SYSTEMATIC BOTANY FIELD STUDY

2 hours. Offered 1979-80 and alternate years (identical with the laboratory component of Bi 460 Systematic Botany). Involves field and laboratory work in plant identification. Prerequisite: consent of instructor.

Bi 485 SELECTED TOPICS

3-4 hours. A variety of topics may be offered reflecting special interests of faculty, visiting professors, or recent developments in biology. Prerequisite: Bi 101, 102, 103.

Bi 491, 492, 493 SENIOR SEMINAR

1 hour each term. Three hours are required of biology majors.

Bi 495 SPECIAL STUDY

1-4 hours. Specific instructional programs, laboratory research, or independent study as planned under advisement of the department for upper division students. A total of not more than six hours may be applied toward major.

CHEMISTRY (B.S. Degree)

Major Requirements

Fifty-one hours in chemistry to include Ch 111, 112, 113 General Chemistry, Ch 210 Quantitative Chemistry, Ch 231, 232 Organic Chemistry, Ch 310 Laboratory Skills, Ch 410 Advanced Chemical Measurements, Ch 401, 402, 403 Physical Chemistry. In the general education program, eight hours of Ph 202, 203 General Physics are required under cultural legacy, and mathematics through Mth 123 Calculus is required, twelve hours of which will meet the symbolics requirement.

GSc 103 FOUNDATIONS OF CHEMISTRY

4 hours. (See General Science 103)

Ch 111, 112, 113 GENERAL CHEMISTRY

4 hours each term. This course covers fundamental chemical principles, reactions, and modern theories. Special emphasis is given to the role of chemistry in environment, industry, and related sciences. A two-track format is employed. Track I is designed to meet the needs of chemistry and other science majors. Track II is designed especially for liberal arts emphasis. Programmed techniques are used to individualize instruction. ~~Two~~ ³ class periods and ~~two~~ ¹ labora-

tory periods each week. Prerequisite: High school chemistry or approval of instructor.

Ch 210 QUANTITATIVE CHEMISTRY

4 hours. Introduces principles of quantitative chemical, clinical, and general laboratory measurement. Includes classical gravimetric and volumetric procedures and an introduction to instrumental methods. Two lectures and two three-hour laboratory periods per week. Prerequisite: Ch 113.

Ch 231, 232 ORGANIC CHEMISTRY

4 hours each term. A study of principles, structural bonding, reactions, and energy as related to carbon chemistry. The laboratory stresses materials, equipment, and skills that are involved in synthesis, purification, and identification of representative groups of organic compounds. Three lectures and one three-hour laboratory period per week. Prerequisite: Ch 113.

Ch 310 LABORATORY SKILLS

4 hours. Offered 1979-80 and alternate years. This course emphasizes fundamental skills necessary for applied modern laboratories, as for example industrial testing, environmental and clinical laboratories. Glassworking techniques, elementary electronics, chemical instrumentation, interpreting and reporting of experimental data are covered. Two lectures and two three-hour laboratory periods per week. Prerequisite: Ch 210.

Ch 340 BIOCHEMISTRY

4 hours. Offered 1979-80 and alternate years. An introduction to the chemistry of substances involved in life processes. The structures, reactions, and energy transformations of these compounds are considered. Laboratory involves a study of properties, purification and identification of bio-organic compounds. Three lectures and one three-hour laboratory period per week. Prerequisite: Ch 232.

Ch 350 BASIC ELECTRONICS AND CIRCUITS

4 hours. Offered 1979-80 and alternate years. Identical with Ph 350.

Ch 401, 402, 403 PHYSICAL CHEMISTRY

3 hours each term. Offered 1978-79 and alternate years. An introduction to modern theoretical chemistry emphasizing thermodynamics, kinetics, and molecular structure. Two lectures and one recitation period per week. Prerequisite: Mth 123, Ph 203.

Ch 410 ADVANCED CHEMICAL MEASUREMENTS

4 hours. Offered 1978-79 and alternate years. Principles, methods, and techniques of modern physico-chemical measurements. Literature search methods and report writing techniques are covered. Two lectures and two laboratory periods each week. Prerequisite: Ch 310 and Mth 210 or Mth 220.

Ch 475 FIELD EXPERIENCE

1-5 hours. Supervised experience with an off-campus industry or agency using applied chemistry. Prerequisite: Consent of advisor.

Ch 485 SELECTED TOPICS

1-4 hours. Scheduled as a regular class with topics chosen to fit special needs or interests of students, faculty, or visiting professors. Subjects such as qualitative organic chemistry, advanced inorganic chemistry, environmental chemistry, recent developments in chemistry are offered. Prerequisite Ch 113 and consent of instructor.

Ch 495 SPECIAL STUDY

1-3 hours. Specific instructional programs, laboratory research, or independent study as planned under advisement of the department for upper division students. A total of not more than six hours may be taken.

GENERAL SCIENCE

GSc 102 FOUNDATIONS OF PHYSICS

4 hours. A survey of some basic topics related to the field of physics such as motion, energy, sound, electricity, relativity. Emphasis on vocabulary and broad principles. Extensive mathematics background not required. Three lectures and one laboratory period per week.

GSc 103 FOUNDATIONS OF CHEMISTRY

4 hours. This course is designed to increase interest and awareness of science by using chemical topics. Vocabulary and broad principles are emphasized. Recommended also for students who need an introduction to chemistry prior to taking Ch 111 General Chemistry. Three lectures and one laboratory period each week.

GSs 110/310 ESSENTIALS OF GEOLOGY

4 hours. Fall 1978-79 and alternate years. A study of materials in the earth's crust, processes producing change in the earth's crust, and a review of the theories of geological history. Three lectures and one laboratory weekly.

GSc 120/320 AIR AND WATER ENVIRONMENT

4 hours. Winter 1978-79 and alternate years. A study of the composition of the atmosphere and hydrosphere, the energy processes that produce weather phenomena, patterns of air and ocean currents, and procedures for measuring and predicting weather. Three lectures and one laboratory period weekly.

GSc 130/330 ESSENTIALS OF ASTRONOMY

4 hours. Spring 1978-79 and alternate years. A study of the earth in space as a part of the solar system, planets, stars, deep space phenomena, and cosmology. Three lectures and one night laboratory weekly.

GSc 370 ENVIRONMENTAL SCIENCE

3 hours. Offered 1978-79 and alternate years. A study of the effect of environment on man and man on the environment from physical, biological, and social view of human population and technology. Prerequisite: One year of college science. Identical with HE 370.

GSc 420 CREATION

3 hours. Offered 1979-80 and alternate years. An examination of scientific, archeological, and historical evidences related to origins and earth history from which a comparison of creation and evolutionary models is made. Prerequisite: Eight hours college level science or equivalent.

GSc 475 GEOLOGY FIELD TRIP
1-3 hours. Offered on demand.

GSc 485 SELECTED TOPICS

3 hours. A variety of topics may be offered, for example: history of science, philosophy of science, effects of technology, etc. Prerequisite: Upper division standing.

HOME ECONOMICS (B.S. Degree)

Major Requirements

A minimum of sixty-five term hours in home economics courses is required and must include Hec 111, 112 Foods; Hec 121, 122 Clothing Construction; Hec 200/300 Nutrition; Hec 230 Textiles; Hec 240 Home Management and Equipment; Hec 280 Marriage and the Family; Hec 290 Meal Management; Hec 310 Human Development; Hec 330 Housing and Home Planning; Hec 350 Interior Design; Hec 360 Consumer Buying; Hec 370 Flat Pattern and Draping or Hec 320 Tailoring; Hec 390 Resources and Techniques for Home Economists; Hec 430 Home Management House. Also required are eight hours of science, preferably chemistry, under cultural legacy. In addition, the following electives are recommended: Hec 260 Clothing Selection; Hec 320 Tailoring or Hec 370 Flat Pattern and Draping; Hec 380 Construction with Special Fabrics; Hec 475 Field Experience; Hec 485 Selected Topics, and Hec 495 Special Study.

Interdisciplinary Majors

Home Economics has two defined interdisciplinary majors:

1. Thirty-six hours in either clothing or foods, plus eighteen hours in business and eighteen hours in economics.

2. Thirty-six hours in general home economics, plus eighteen hours in social services and nine hours each in psychology and business.

Hec 111 Foods

4 hours. A beginning course in foods emphasizing cooking principles in the areas of food preservation,

vegetables, fruits, meat, and meat substitutes. Two lectures and two laboratory periods per week.

Hec 112 Foods

4 hours. The second course in foods. Food topics to be emphasized include cereals, breads, other baked foods, and frozen desserts. Two lectures and two laboratory periods per week.

Hec 121 CLOTHING CONSTRUCTION

4 hours. Designed for helping the beginning student to learn basic steps in sewing and for leading the advanced student into a more intensified study of clothing construction techniques. Includes the study of pattern and fabric selection and coordination and use of the sewing machine and equipment; emphasis on important construction techniques and pressing procedures.

Hec 122 CLOTHING CONSTRUCTION

4 hours. A continuation of Hec 121. Designed for further development and broadening of construction skills. Includes an emphasis on fitting patterns and correcting fitting problems in garments as well as the study and implementation of special couture and decorative touches in clothing. Prerequisite Hec 121 or instructor's permission.

Hec 200/300 NUTRITION

4 hours. The relation of food to proper nutrition and the factors that influence its nutritive value. Identical to HE 300.

Hec 230 TEXTILES

4 hours. Offered 1979-80 and alternate years. A study of textiles from the perspective of the consumer emphasizing processing, uses, fibers, fabrics, and finishes.

Hec 240 HOME MANAGEMENT AND EQUIPMENT

4 hours. Offered 1979-80 and alternate years. A study of decision making in relation to attaining desired values, goals, and standards for the family and the individual in the home. Use of resources such as time, energy, money, and mental and spiritual resources.

sources is examined. Includes a unit on use and care of small household appliances.

HEc 260 CLOTHING SELECTION

4 hours. Offered 1979-80 and alternate years. Artistic and economic factors in the selection of clothing for the individual and the family.

HEc 280 MARRIAGE AND THE FAMILY

4 hours. Identical with Soc 280.

HEc 290 MEAL PLANNING

4 hours. Includes a study of food buying, menu making, meal preparation, service, and management decisions. Prerequisite: HEc 111, 112 or instructor's permission.

HEc 310 HUMAN DEVELOPMENT

4 hours. Identical with Psy 310 Human Development. Prerequisite: Psy 201.

HEc 320 TAILORING

4 hours. Offered 1978-79 and alternate years. Emphasis on hand tailoring dresses, suits, and coats. Prerequisite: HEc 121, 122.

HEc 330 HOUSING AND HOME PLANNING

4 hours. Offered 1979-80 and alternate years. Housing trends, site selection, planning and construction of housing will be emphasized.

HEc 350 INTERIOR DESIGN

4 hours. Offered 1979-80 and alternate years. Principles of furnishing and decorating a home. A study of line and design, including historical furniture.

HEc 360 CONSUMER BUYING

4 hours. Offered 1978-79 and alternate years. Problems of the consumer, state and federal laws relating to the consumer will be considered along with an in-depth study of financial decision making and the public and private agencies available to the consumer.

HEc 370 FLAT PATTERN AND DRAPING

4 hours. Offered 1979-80 and alternate years. Pattern design, fitting, draping, and clothing construction

with advanced techniques will be emphasized. Special easily draped fabrics, plus a half-size costume representing one of the periods of history, will be part of the class projects. Prerequisites: HEc 121, 122, HEc 260.

HEc 380 CONSTRUCTION WITH SPECIAL FABRICS

4 hours. Offered 1978-79 and alternate years. Techniques for special fabrics that have specific structural characteristics. Includes emphasis on knits, lingerie, and a variety of other special fabrics. Prerequisites: HEc 121, 122.

HEc 390 TECHNIQUES AND RESOURCES FOR THE HOME ECONOMIST

4 hours. Offered 1978-79 and alternate years. A preparatory course for those doing internships and/or those interested in a business-oriented career. The emphasis will be on careers in home economics, planning and giving demonstrations, recipe development, writing behavioral objectives that are measurable, and building resource files. Prerequisites: HEc 111, 112, 290, 121, 122, or permission of the instructor.

HEc 430 HOME MANAGEMENT HOUSE

5 hours. Offered 1978-79 and alternate years. Principles underlying decision making and management of a home are put into practice during residence in the Home Management House or another living situation. Includes some class work and study of social and economics problems found in the home, and a unit on use and care of major household equipment. Prerequisite: HEc 240 or permission of the instructor.

HEc 475 FIELD EXPERIENCE

1-4 hours. Supervised experience with an off-campus industry, business, or institution. Prerequisites: Upper division standing, HEc 390, and consent of advisor.

HEc 485 SELECTED TOPICS

1-4 hours. A variety of topics may be offered reflecting the special interests of students and faculty. Prerequisite: Upper division standing in Home Economics.

HEc 495 SPECIAL STUDY

1-4 hours. Special research by permission of instructor.

MATHEMATICS (B.S. Degree)

Major Requirements

For a mathematics major a student must complete a minimum of thirty-two approved hours in mathematics beyond Math 123 Calculus. Of these, twenty-four must be upper division, including Mth 321 and Mth 421. In addition, a student must complete Ph 101, 102, 103 General Physics to fulfill the general education requirement in symbolics.

GE 100 CRITICAL THINKING AND DECISION MAKING

4 hours fall term. A study of critical and creative thinking, including the role of decision making in society and everyday life, ways to reaching valid conclusions, fallacies in thinking, and basic procedures in problem solving and decision making. Examples will be taken from such areas as personal decisions, news media, and mathematics.

Mth 95/195 INDIVIDUALIZED MATHEMATICS

1-4 hours each term. Individually designed mathematical training to meet the needs and goals of any individual student. The student should consult with the mathematics department for proper placement prior to enrolling. Topics include Mth 95 Basic Math, Mth 95 Beginning Algebra, Mth 195 Intermediate Algebra, Mth 195 College Algebra, Mth 195 Trigonometry, Mth 195 Analytic Geometry. Mth 95 does not apply for college credit.

Mth 110 MATHEMATICAL TOOLS FOR PROBLEM SOLVING

4 hours winter term. A study of some mathematical techniques and tools for solving selected problems from areas such as social science, business, and natural science. Designed as a sequel to GE 100. Prerequisite: One year of high school algebra or consent of instructor.

Mth 111, 112, 113 MATHEMATICS FOR ELEMENTARY TEACHERS

3 hours each term. A study of the structures of arithmetic. Includes number bases, group and set theory, module systems, mathematical proof, and functions. Does not apply toward a mathematics major.

Mth 121, 122, 123 CALCULUS

4 hours each term. A study of differential and integral calculus. Open to freshmen with a sufficient high school mathematics background and satisfactory scores on a placement test, or successful completion of Mth 195.

Mth 210 BASIC PROGRAMMING

4 hours. An introduction to computers, coding, and programming by use of BASIC as a computer language.

Mth 220 FORTRAN PROGRAMMING

4 hours. Coding and programming data in the FORTRAN computer language as applied to the solution of scientific and engineering problems.

Mth 240 STATISTICAL PROCEDURES

4 hours. Identical with Psy 340.

Mth 310 DIFFERENTIAL EQUATIONS

4 hours. A study of the theory, methods of solution and applications of ordinary differential equations. This includes series solution and Laplace transforms. Prerequisite: Mth 123 Calculus.

Mth 321 LINEAR ALGEBRA

4 hours. Offered 1979-80 and alternate years. A study of determinants, matrices and their transformations, vectors and vector spaces. Prerequisite: Mth 123.

Mth 322 ALGEBRAIC STRUCTURES

4 hours. Offered 1979-80 and alternate years. A study of groups, rings, integral domains, fields, and algebraic number systems. Prerequisite: Mth 123.

Ph 331, 332 PROBABILITY AND STATISTICS

3 hours each term. Offered 1978-79 and alternate years. A study of sample spaces, combinatorial methods, discrete and continuous distributions, sampling, estimating parameters, and testing hypotheses. Prerequisite: Mth 123.

Ph 400 NUMERICAL ANALYSIS

3 hours. Offered 1978-79 and alternate years. A study of solution of equations, polynomial approximations, and differential equations.

Ph 411, 412 MODERN GEOMETRY

3 hours each term. Offered 1979-80 and alternate years. A study of advanced Euclidian, projective, and non-Euclidian geometry. Elements of topology. Prerequisite: Mth 123.

Ph 421, 422 ADVANCED CALCULUS

3 hours each term. Offered 1978-79 and alternate years. A rigorous treatment of topics introduced in upper division calculus with a study of more advanced topics basic to the study of real and complex variables. Prerequisite: Mth 123.

Ph 495 SPECIAL STUDY

1-4 hours. Instructional programs organized to meet specific objectives of upper division students. A total of not more than six hours may be taken.

PHYSICS

Ph 201, 202, 203 GENERAL PHYSICS

3 hours each term. Key concepts of physics as related to modern living. Examples, problems, and laboratory are drawn from practical situations where mechanics, energy crisis, electricity, magnetism, electronic devices, light, sound, etc. are involved. Three lectures and one laboratory weekly.

Ph 350 BASIC ELECTRONICS AND CIRCUITS

3 hours. Offered 1979-80 and alternate years. Electrical principles of elementary circuits and components including power supplies, oscillators, amplifiers, servo mechanisms, solid state devices, and instrumentation.

Applications to physical, chemical, and biological laboratory equipment included. Three lectures and one laboratory period per week. Prerequisite: Ph 203.

Ph 485 SELECTED TOPICS

3-4 hours. Classes organized to meet specific interest of students and to utilize guest lecturers as available.

Ph 495 SPECIAL STUDY

1-4 hours. Instructional programs to meet specific objectives of individual students as approved by the division chairman.

Division of Religion

Basic objectives of the division are:

1. To give every student opportunity for systematic Bible study and Christian interpretation through required and elective courses.
2. To provide preprofessional studies basic to pastoral, evangelistic, educational, and missionary ministry of the Christian faith.
3. To provide a fund of biblical knowledge and consistent teaching methodology for those who plan to serve as Christian education directors, Sunday school teachers, youth or adult leaders, and social workers.
4. To enable students through a study of philosophy to participate in formal thinking about problems of nature, knowledge, and value with the aim of increasing awareness of the force of ideas in the world.

RELIGION (B.A. Degree)

Major Requirements

A major in religion requires the completion of sixty hours elected from the four fields of courses offered in the division, plus Communication Arts, distributed as follows: a minimum of twelve hours in Bible, eight hours in Christian ministries, twelve hours in religion, and eight hours in philosophy. A minimum of twenty-four hours shall be from upper division courses. All religion majors are required to include CM 110 Essentials of Christian Education, R 380 Basic Christian Beliefs (or R 403 Christianity in the Modern World), one course in communication arts, four or five hours, and to complete the requirements for a Bachelor of Arts degree.

CHRISTIAN MINISTRIES (B.A. Degree)

Major Requirements

This major specifies the following: twenty-four hours in Christian Ministries including CM 110; at

least two of the following courses: CM 300, 330, 340; and ten hours of CM electives. Required supporting areas are sixteen hours of Bible beyond the general education requirement; four hours philosophy (Phl 210 or 230); four hours CA with homiletics CA 110, 111, or 221 suggested; and twelve hours internship. Total hours: sixty. Students taking the major will complete the requirements for the Bachelor of Arts degree.

Interdisciplinary Majors

An interdisciplinary major may be elected from the following fields: religion and music or religion and physical education; Christian ministries and music or Christian ministries and physical education (Similar patterns may be approved by the two primary division chairmen and the registrar.) A minimum of seventy-two hours is required for the major and must be distributed as follows: a minimum of thirty-six hours in religion or Christian ministries; an additional eighteen hours in either music or physical education, and nine hours in two of the following fields: art, education, psychology, science, communication arts, drama, sociology, business, Spanish, political science, and music (for religion and Christian ministries-physical education majors) or physical education (for religion and Christian ministries-music majors). A student may elect one eighteen-hour block rather than two nine-hour blocks.

Students electing one of the interdisciplinary majors described above will consult with advisors in the Division of Religion for specific courses recommended in each of the four fields in the division. One course in communication arts, four or five hours, must be elected and may be counted with the thirty-six-hour major requirement. Those electing an interdisciplinary major in the Division of Religion will complete the requirements for a Bachelor of Arts degree. For the specific requirements in music or physical education, see the appropriate section of the catalog.

*See Div. Chairman or Christian Ministries Advisor
with reference to specific course requirements*

BIBLE

B 101, 102, 103 LITERATURE OF THE BIBLE

4 hours each term. A survey of the Bible using selected books and portions. The major religious themes and their literary forms will be studied in historic context with attention given to the tools for biblical study useful in handling the problems of authorship, text, and interpretation.

B 201, 202, 203 SECOND-YEAR NEW TESTAMENT

GREEK *Offered 78-79 & 79-80 & then alternate years*

4 hours each term. Identical with Gr 201, 202, 203.

B 240 OLD TESTAMENT POETRY

4 hours. A study of the poetical books: Job, Psalms, Proverbs, Ecclesiastes, and the Song of Solomon. Emphasis will be placed on the great themes of these books as well as upon the forms of poetry, drama, and wisdom literature. Reference will be made to the Apocrypha.

B 260 THE GOSPELS

4 hours. A study of the life and teaching of Jesus Christ, particularly as given in Matthew, supplemented in Mark and Luke, and interpreted in John.

B 280 HEBREWS THROUGH REVELATION

4 hours. A study of the meaning of belief in Jesus Christ as outlined in the non-Pauline letters of the New Testament and the Apocalypse.

B 301, 302, 303 SECOND-YEAR NEW TESTAMENT

GREEK *Offered 78-79, & 79-80 & then alternate years*

4 hours each term. Identical with B 201, 202, 203 and Gr 201, 202, 203, but upper division.

B 311, 312 OLD TESTAMENT HISTORY*

4 hours each term. Offered 1979-80 and alternate years. A study of the text of the historical books of the Old Testament. B 311 includes Genesis through Joshua; B 312 includes Judges through Esther. B 311 is not prerequisite to B 312.

B 320 EARLY PROPHETS*

4 hours. Offered 1978-79 and alternate years. A study of the rise of the prophetic movement in non-



writing Old Testament prophets, with major emphasis given to the literature and spiritual themes of Jonah, Joel, Amos, Hosea, Micah, Isaiah, Nahum, and Zephaniah.

B 330 LATER PROPHETS*

4 hours. Offered 1979-80 and alternate years. A study of the messages and themes of the later prophets, Habakkuk, Jeremiah, Ezekiel, Daniel, Obadiah, Haggai, Zechariah, and Malachi.

B 400 THE ACTS*

4 hours. Offered 1978-79 and alternate years. A study of the New Testament church as shown in The Acts.

B 410 PAUL'S EPISTLES*

4 hours. Offered 1978-79 and alternate years. A study of the New Testament church as reflected in the writings of Paul. The Epistles and their doctrines will be related to the evangelistic activities as reported in The Acts.

B 485 SELECTED TOPICS

3-4 hours. Intended for advanced students.

B 495 SPECIAL STUDY

1-4 hours. Intended for advanced students.

CHRISTIAN MINISTRIES

CM 110 ESSENTIALS OF CHRISTIAN EDUCATION

3 hours. A study of the scope of Christian education to acquaint the student with the overall nature of the educational task of the local church and related agencies.

CM 120 CHRISTIAN EVANGELISM

3 hours. To develop a biblical philosophy of evangelism with special emphasis on a working acquaintance with literature and materials useful in evangelism. Study of how to present Christ effectively and intelligently in personal conversation.

**Courses marked with asterisks will satisfy general education religion requirements.*

CM 300 CHILDHOOD EDUCATION IN THE CHURCH

4 hours. Offered 1979-80 and alternate years. A study of the nature and needs of children, methodology for children, and administration of children's work. This course includes firsthand observation and study of children at various levels of development.

CM 310 HUMAN DEVELOPMENT

4 hours. Identical with Psy 310. Prerequisite: Psy 201.

CM 320 CREATIVE BIBLE TEACHING

3 hours. Offered 1978-79 and alternate years. A study of various methods and ideas of Bible teaching and the apparent value to groups and individuals both within and without the organized church.

CM 330 YOUTH LEADERSHIP

4 hours. Offered 1979-80 and alternate years. Consideration of motivation, guidance, and method of reference to youth; the Christian youth leader; developing leadership as well as leading.

CM 340 ADULT LEADERSHIP DYNAMICS

4 hours. Offered 1978-79 and alternate years. A study of dynamic ways to teach adults, help them with family concerns, and assist them in their involvement in leadership roles.

CM 350 INSTRUCTIONAL MEDIA

2 hours. Identical with Ed 350.

CM 370 METHODS OF CAMPING

4 hours. An overview of the field of camping including a study of the development and philosophy of camping. Types of camps, leadership recruitment and training, basic skills and programming. Designed to equip students with a working knowledge of camps and retreats.

CM 380 RECREATIONAL LEADERSHIP

3 hours. Offered 1979-80 and alternate years. Identical with PE 380.

CM 410 GUIDANCE AND COUNSELING

4 hours. Offered 1978-79 and alternate years. Identical with Psy 410. Prerequisite: Psy 201.

CM 420 Intro to Hermeneutics
3 hrs - see pg 75 for description
under CM411.

CM 440 CAMP ADMINISTRATION

4 hours. Offered 1979-80 and alternate years. Designed to develop a basic understanding of campsite programming development and camp leadership at the administrative level including administrative concerns for counselor training. Prerequisite: CM/PE 370 or permission of instructor.

CM 460 CONTEMPORARY TRENDS IN CHRISTIAN MINISTRY

3 hours. Offered 1979-80 and alternate years. A study of ministry as essentially the task of all of God's people. The course will emphasize the emerging ministries and the techniques and skills essential to meet present opportunities and needs, including different types of worship.

CM 470 ORGANIZATION AND ADMINISTRATION OF CHRISTIAN MINISTRIES

3 hours. Offered 1979-80 and alternate years. Designed to prepare students for church and Christian vocations in the functions of leadership, including goal and program development, organization, finance, personnel problems, and evaluation.

CM 275/475 FIELD EXPERIENCE IN CHRISTIAN LEADERSHIP

2-12 hours. Supervised internship in the areas of Christian ^{ministries} education or ^{camping} pastoral leadership. Open to upper division students. Admission by application only.

CM 485 SELECTED TOPICS

1-3 hours. Various topics as announced that represent current faculty interests and competencies. Prerequisite: CM 110 or permission of instructor.

CM 495 INDIVIDUAL STUDY

1-4 hours. Permission of instructor.

PHILOSOPHY

Phl 100 CRITICAL THINKING AND DECISION MAKING

4 hours fall term. A study of critical and creative thinking, including the role of decision making in

society and everyday life, ways of reaching valid conclusions, fallacies in thinking, and basic procedures in problem solving and decision making.

Phl 210 INTRODUCTION TO PHILOSOPHY

4 hours. A study of elementary problems about knowledge, nature, and values.

Phl 230 ETHICS

4 hours. A survey of ethical theories by which men live, with special attention to Christian moral philosophy.

Phl 271, 272, 273 SOPHOMORE HONORS COLLOQUIUM

1 hour each term. Limited to sophomores in the Intensified Studies Program. Discussion of literary and philosophical themes from selected books.

Phl 360 SOCIAL AND POLITICAL THEORY

4 hours. Offered 1979-80 and alternate years. Identical with Soc 360, Psc 360.

Phl 371, 372, 373 JUNIOR HONORS COLLOQUIUM

1 hour. Limited to juniors in the Intensified Studies Program. A continuation of Phl 271, 272, 273.

Phl 485 SELECTED TOPICS

2 hours. A seminar focusing upon issues in metaphysics, epistemology, or axiology. Prerequisite: Phl 210 or permission of the instructor.

RELIGION

R 285 SELECTED TOPICS

3 hours. Topics as announced that represent current faculty interests and competencies.

R 295 SPECIAL STUDY

1-5 hours. Individual study in areas of special interest to the student. Permission to register for the course is by application to the chairman of the division and permission of the instructor.



R 350 RESEARCH IN ARCHAEOLOGICAL AND BIBLICAL HISTORY*

4 hours. Offered on demand as field experience abroad, provided through accredited educational institutions sponsoring such programs in Palestine. Inquire at the Division of Religion.

R 360 HISTORY AND DOCTRINE OF FRIENDS

3 hours. A study of the Quaker movement in its historical, social, and religious setting. The distinguishing beliefs of the Friends Church will be studied from the important doctrinal record of its history. Contemporary trends will be examined.

R 370 HISTORY AND DOCTRINE OF CHURCHES (Selected Churches)

3 hours. Offered on demand. Course description will be supplied and to be taught by denomination leaders.

R 380 BASIC CHRISTIAN BELIEFS*

4 hours. Offered 1979-80 and alternate years. Study of the principles of Christianity and their significance for contemporary life.

R 401 CHRISTIANITY IN THE ANCIENT WORLD*

4 hours. Offered 1979-80 and alternate years. Study of the emergence of Christianity within the Graeco-Roman world. The course will lead up to A.D. 600.

R 402 CHRISTIANITY IN THE MEDIEVAL WORLD*

4 hours. Offered 1979-80 and alternate years. Study of the events and major ideas of the medieval and early modern period up to A.D. 1648. The significant role of Christianity in history will be noted.

R 403 CHRISTIANITY IN THE MODERN WORLD*

4 hours. Offered 1979-80 and alternate years. The spread and influence of Christianity from the religious wars to the present time. The impact of Christianity on modern society.

*Courses marked with an asterisk satisfy general education religion requirements.

anity upon culture and of secularism upon the forms of Christianity will be noted.

430 MISSIONS AND OUTREACH

3 hours. Offered 1978-79 and alternate years. A study of the methods of Christian outreach utilized by the church both within a given culture and outside that culture in missionary endeavor.

440 COMPARATIVE RELIGIONS*

3 hours. Offered 1978-79 and alternate years. A comparative study between Christianity and other prominent religions of the world, such as Buddhism, Mohammedanism, and Hinduism. Attention is given also to modern religious cults.

485 SELECTED TOPICS

3 hours. Topics as announced that represent current faculty interests and competencies. Upper division standing is required for registration.

490 CONTEMPORARY RELIGIOUS THOUGHT

3 hours. A seminar in which contemporary theologians, philosophers, and religious thinkers are read and discussed.

495 SPECIAL STUDY

1-5 hours. Individual study in areas of special interest to the student. Permission to register for the course is by application to the chairman of the division and permission of the instructor.



Division of Social Science

Basic objectives of the division are:

1. To liberate serious students from the limiting provincialism of the here and now by introducing them to past leaders in many fields, to influential ideas and movements, and to varied worldwide cultures, old and new.

2. To provide the means for students to formulate their own critical standards by which they may evaluate and relate personally to current and recent societal changes and social structures.

3. To offer students varied divisional resources in theory, values, observation, and experience that will equip them to develop their own meaningful Christian philosophy of human behavior.

4. To offer students varied divisional resources in theory, values, observation, and experience that will enable them to develop their own meaningful Christian philosophy of public affairs.

5. To be careful to know and share the rich and changing opportunities for meaningful lives, careers, and professional studies that lie before majors in this division, including business, social work, corrections, counseling, seminary, the ministry, missions, teaching and scholarship, law, public administration, government service domestic and international, public relations, library work, archival and museum work, publishing, and many others.

Majors Offered

The division offers subject majors in the following fields: business and economics, history, psychology, psychology-sociology, and social service.

It offers a secondary teaching major and minor in social studies (see the Division of Education for description of this program).

BUSINESS AND ECONOMICS (B.A. or B.S. Degree)

Major Requirements

Fifty-five hours in business and economics courses, at least thirty of which must be upper division; including Bus 101, 102 Principles of Accounting, Bus 110 Introduction to Business, Bus 280 Quantitative Business-Economics Methods, Bus 301 Business Law, and at least six hours from the following courses: Bus 475, Bus 495, Eco 475, and/or Eco 495. *Eco 201 Eco 202*

BUSINESS

Bus 101, 102 PRINCIPLES OF ACCOUNTING

4 hours each term. A basic course in accounting theory and practice. First term emphasizes financial accounting while second term emphasizes managerial accounting.

Bus 110 INTRODUCTION TO BUSINESS

3 hours. An introductory survey of the business world, this course orients the beginning student to marketing, management, finance, institutions and personalities, decision making, and career selection. Prerequisite to all upper division business courses.

Bus 260 PERSONAL LAW

3 hours. Offered 1978-79 and alternate years. This course introduces students to aspects of law that should be known in order to live in the modern world. It deals with the individual as a consumer, citizen, family member, home and car owner, and employee; and indicates situations that have legal implications and when to seek professional help.

Bus 280 QUANTITATIVE BUSINESS-ECONOMICS METHODS

4 hours. Develops quantitative tools necessary to the understanding of business and economic theories that

is vital to the creation and application of analyzed processes and decision-making operations.

Bus 301 BUSINESS LAW

4 hours. Offered 1979-80 and alternate years. A course designed to acquaint the student with the legal aspects of common business transactions. It includes the law of contracts, agency, negotiable instruments, and other phases of private law. Prerequisite: Bus 110.

Bus 320 PERSONNEL MANAGEMENT

4 hours. Offered 1978-79 and alternate years. Philosophy behind obtaining and maintaining an effective work force. Procedures and theories followed in carrying out a modern personnel program. Emphasis given to human relations. Prerequisite: Bus 110.

Bus 330 SMALL BUSINESS MANAGEMENT

4 hours. Management methods uniquely important to small business: planning, financing, marketing, legal and governmental controls, as well as other special management problems. Prerequisite: Bus 110.

Bus 340 MARKETING

4 hours. Offered 1978-79 and alternate years. An introduction to the basic problems and practices in marketing management. Emphasizes sales and advertising as they relate to marketing to give the student a broad and necessary understanding of marketing problems and functions of the various types of businessmen. Prerequisite: Bus 110.

Bus 350 INTRODUCTION TO TAXATION

4 hours. Offered 1979-80 and alternate years. The course will prepare the student to recognize the tax consequences of investments and business actions, and to handle his own tax returns. Prerequisite: Bus 110.

Bus 360 BUSINESS AND SOCIETY

4 hours. Offered 1979-80 and alternate years. A study of the ethical and social responsibilities of business people in a changing socioeconomic ethos, and of the relationships of business and industrial leaders to environmental issues. Prerequisite: Bus 110.

Bus 410 FINANCIAL MANAGEMENT

4 hours. Offered 1978-79 and alternate years. Roles and functions of financial manager in modern business firm; environment in which he operates; formulation of financial objectives and policies; financial analysis; forecasting, planning, and control; cash, credit, and asset management; acquisition of funds through short-term and long-term borrowing, leasing, stock issue, and by internal means; dividend policy and other aspects dealing with business owners. Prerequisites: Bus 101, 102, Bus 110.

Bus 430 INDUSTRIAL RELATIONS AND TRADE UNIONISM

4 hours. Offered 1979-80 and alternate years. Analysis of labor-management cooperation and conflicts historically and today; the institutionalized processes of collective bargaining; major labor laws and cases. Prerequisites: Bus 110, Bus 320.

Bus 475 FIELD EXPERIENCE

2-15 hours. Supervised on-the-job experiences in business or industry. For upper division business-economics majors only, by permission.

Bus 485 SELECTED TOPICS

2-4 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

Bus 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings of particular interest to business-economics majors. Regular reading reports and conferences are scheduled. For upper division business-economics majors only, by permission.

ECONOMICS

Eco 150 INTRODUCTION TO ECONOMICS

4 hours. An introductory survey of economic theories, institutions, and methods. Special emphasis is placed on pricing and allocation, comparative economic systems, employment, inflation, economic growth, and the relationship of economics to other sciences.

Eco 201 PRINCIPLES OF ECONOMICS (MICRO)

4 hours. A study of microeconomic units (individual, household, firms, and markets) emphasizing supply and demand, market structure, decision making, and income distribution.

Eco 202 PRINCIPLES OF ECONOMICS (MACRO)

4 hours. A study of macroeconomic theory including topics such as unemployment, inflation, growth theory, and international trade. Prerequisite: Eco 201.

Eco 330 MANAGEMENT ECONOMICS

4 hours. Offered 1979-80 and alternate years. The application of economic theory and operations analysis to managerial problems. Special attention is given to mathematical optimization, linear programming, and game theory. Prerequisite: Eco 202.

Eco 350 INTERNATIONAL ECONOMICS

4 hours. Offered 1978-79 and alternate years. A study presenting economic problems on an international level and their relationship to government and business. Economic development is emphasized. Prerequisite: Eco 202.

Eco 401 INTERMEDIATE MICROECONOMICS

4 hours. Offered 1978-79 and alternate years. Advanced study of microeconomics including comparative static analysis, pricing in goods and factor markets, general equilibrium, and welfare economics. Prerequisite: Eco 202.

Eco 402 INTERMEDIATE MACROECONOMICS

4 hours. Offered 1979-80 and alternate years. Advanced study of macroeconomics including national income accounting, fiscal policy, public finance, monetary policy, and the role of the Federal Reserve. Prerequisite: Eco 202.

Eco 475 FIELD EXPERIENCE

2-10 hours. Supervised experiences in business, financial, and research firms, and government agencies. For upper division business-economics majors only, by permission.

Eco 485 SELECTED TOPICS

2-4 hours. Occasional special courses chosen to fit the interests and needs of students and faculty.

Eco 495 SPECIAL STUDY

1-4 hours. Subject matter and credit arranged for the needs of the individual student. For upper division business-economics majors only, by permission.

GEOGRAPHY

Geo 200 INTRODUCTORY GEOGRAPHY 79-80 &

4 hours. A study of physical geography with an introduction to cultural and economic geography.

Geo 210 WORLD REGIONAL GEOGRAPHY 79-80 &

5 hours. A survey of major regions of the world in their cultural-political-geographic settings. Prerequisite: Geo 200 or consent of instructor.

Geo 295 SPECIAL STUDY 79-80 & alternate yrs

1-3 hours. Intensive study of an area or field of geographic investigation consistent with the student's background and interest. Prerequisite: Geo 200 or consent of instructor.

HISTORY (B.A. Degree)

Major Requirements

Fifty-five hours, including Hst 101, 102 Civilizations; Hst 201, 202 United States; thirty-five upper division hours in history including Hst 491, 492, 493 Senior Seminar; four hours in political science.

Hst 101, 102 CIVILIZATIONS

4 hours each term. A study of major world civilizations from ancient to modern times, with particular attention to the origins and development of socio-cultural, economic, and political ideas and institutions that survive today in America, and to dramatically contrasting alternatives to such ideas and institutions.

Hst 201, 202 UNITED STATES

4 hours each term. A study of historical causes for the successes and failures of the United States from colonial times to the present.

Hst 330 PACIFIC NORTHWEST

4 hours. The exploration, settlement, and development of the Pacific Northwest as a region and as states in the general setting of American and western American history.

Hst 331, 332 ENGLAND

4 hours each term. Offered 1978-79 and alternate years. A history of England, Great Britain, the Empire, and the Commonwealth with emphasis upon constitutional and sociocultural change.

Hst 350 LATIN AMERICA

4 hours. Offered 1978-79 and alternate years. Latin American countries from colonial times to the present.

Hst 355 WOMEN IN HISTORY

3 hours. Offered 1978-79 and alternate years. Study of the special roles and contributions of women in varied societies. May be taken twice for credit, once with an American focus, once with a world focus.

Hst 360 MODERN RUSSIA

4 hours. Offered 1979-80 and alternate years. Nineteenth and twentieth century Russia, with emphasis on the U.S.S.R. since 1917.

Hst 370 FAR EAST

4 hours. Offered 1978-79 and alternate years. Political and cultural developments of the major Far Eastern countries.

Hst 381, 382 AMERICAN ECONOMIC AND SOCIAL HISTORY

4 hours each term. Offered 1978-79 and alternate years. Major economic trends and their social consequences from colonial times to the present, with emphasis on the growth of free enterprise, the tendency toward government subsidization of industry, major reform movements, and the impact of immigration upon the United States. First term to 1890; second term since 1890.

Hst 401 CHRISTIANITY IN THE ANCIENT WORLD

4 hours. Offered 1979-80 and alternate years. Identical with R 401.

Hst 402 CHRISTIANITY IN THE MEDIEVAL WORLD

4 hours. Offered 1979-80 and alternate years. Identical with R 402.

Hst 403 CHRISTIANITY IN THE MODERN WORLD

4 hours. Offered 1979-80 and alternate years. Identical with R 403.

Hst 421, 422 MODERN EUROPE

4 hours each term. Offered 1979-80 and alternate years. European political, social, economic, and cultural developments from 1789 to the present, with emphasis on the causes of the French and Russian Revolutions. First term to 1914; second term since 1914.

Hst 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in museums, historical societies, and government agencies. For upper division history majors only, by permission.

Hst 481, 482 AMERICAN THOUGHT AND CULTURE

4 hours each term. Offered 1979-80 and alternate years. Major cultural and intellectual themes from the Puritans through the present, including the Enlightenment, the Transcendentalists, Social Gospel, Pragmatism, literary culture, art and architecture, revivalism, theological trends, radicalism left and right, and related matters. First term to 1865; second term since 1865.

Hst 485 SELECTED TOPICS

4 hours. Occasional special courses scheduled to fit the interests of students and faculty, and the needs of a shifting society. Topics may include American constitutional development, American foreign relations, particular nations such as Germany, the continent of Africa, minorities in America or elsewhere, and others.

Hst 491, 492, 493 SENIOR SEMINAR

One hour each term. Required of senior history majors, this course deals with methods of historical research and writing, and includes broad introductions to the major philosophies of history and to main currents in American historiography. Secondary teacher education majors will read and research more

widely through the social sciences in anticipation of teaching.

Hst 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided, and regular reading reports and conferences are scheduled. For upper division history majors only, by permission.

POLITICAL SCIENCE

PSc 210 AMERICAN GOVERNMENT

3 hours. Offered 1978-79 and alternate years. The theory and practice of the Federal Government.

PSc 230 STATE AND LOCAL GOVERNMENT

4 hours. Offered 1978-79 and alternate years. The origins, nature, and forms of government on the state and local level. Special attention is given to the rising problems of urban government and regional planning.

PSc 260 INTRODUCTION TO LAW

3 hours. Offered 1979-80 and alternate years. A general study of law and the legal profession and their roles in society past and present.

PSc 285 SELECTED TOPICS

3 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

PSc 320 CRIMINAL JUSTICE

4 hours. Offered 1979-80 and alternate years. A study of how criminal law operates, such as in the concept of punishment, role of the police, the role of the attorney, bail, trials, pleas, sentencing, and corrections. Prerequisite: PSc 260.

PSc 340 INTERNATIONAL RELATIONS

4 hours. Offered 1979-80 and alternate years. Introduction to the principles and study of interstate relations in the contemporary world. Special attention is given to the problem of sovereignty, the United Nations, and international law.

PSc 360 SOCIAL AND POLITICAL THEORY

4 hours. Offered 1978-79 and alternate years. Identical with Soc 360, Phl 360.

PSc 370 PEACE AND WAR

4 hours. Offered 1979-80 and alternate years. A study of attitudes and actions that cause conflict and those that prevent it, with emphasis on interpersonal as well as international peace; a study of pacifism, war protest, and nonviolent life-styles in the past and today. Identical with Soc 370.

PSc 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in varied government agencies. For upper division students only, by permission.

PSYCHOLOGY (B.A. or B.S. Degree)

Major Requirements

Fifty-six hours in psychology courses, at least thirty-two of which must be upper division, including Psy 201 General Psychology, Psy 202 Psychology of Effective Behavior, Psy 340 Statistical Procedures, Psy 460 Systems and Theories of Psychology, Psy 475 Research Methods in Psychology. Courses taken in the major are not counted toward general education requirements. One year of a foreign language is strongly recommended for the B.A. degree.

Psy 201 GENERAL PSYCHOLOGY

4 hours. An introduction to the scientific study of human behavior. Major topics include biological bases of behavior, human development, sensation, perception, thinking, learning, memory, emotion, motivation, personality, social interaction, and abnormal behavior. Prerequisite to all other psychology courses.

Psy 202 PSYCHOLOGY OF EFFECTIVE BEHAVIOR

4 hours. Application of psychological principles and theories to everyday problems and issues. Discussion will include such topics as stress management, personal and social conflict, positive mental health, and

moral and spiritual value development. Prerequisite: Psy 201.

Psy 300 GROUP DYNAMICS

4 hours. Offered 1979-80 and alternate years. A study of principles and techniques involved in interaction of individuals within various groups. This course is designed to assist students who are preparing to work with groups in schools, churches, youth organizations, industry, and other types of groups. Identical to Soc 300 and SS 300. Prerequisite: Psy 201.

Psy 310 HUMAN DEVELOPMENT

4 hours. A study of physical, intellectual, personality, social, and moral development from the prenatal period to adolescence. Primary emphasis will be placed upon socialization processes. Identical with CM 310 and HEc 310. Prerequisite: Psy 201.

Psy 320 PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

4 hours. Identical with Ed 320. Prerequisite: Psy 201.

Psy 340 STATISTICAL PROCEDURES

4 hours. Statistical procedures for the social sciences. Emphasis upon the development of a basic knowledge of the statistical tools available for the analysis of problems and issues in the social sciences. Prerequisites: Psy 201 and high school algebra or equivalent.

Psy 350 SOCIAL PSYCHOLOGY

4 hours. Offered 1979-80 and alternate years. A study of the psychological processes of human interaction. Major topics to be covered include person perception, aggression, altruism, interpersonal attraction, attitudes and attitude change, prejudice, and group behavior. Prerequisites: Psy 201 and Soc 201.

Psy 360 PERCEPTION

4 hours. Offered 1978-79 and alternate years. Study of the principles and processes by which sensory information is interpreted. Topics include perceptual inference and organization, perception of objects and events, and person perception. Prerequisite: Psy 201.

Psy 400 PSYCHOLOGICAL TESTS AND MEASUREMENTS

4 hours. Offered 1978-79 and alternate years. A survey of the purposes, techniques, and basic assumptions in measurement of aptitudes, achievements, interests, intelligence, and personality. Some laboratory experiences in the administration, interpretation, and scoring of tests are provided. Prerequisites: Psy 201 and Psy 340, or permission of instructor.

Psy 410 GUIDANCE AND COUNSELING

4 hours. Offered 1978-79 and alternate years. A study of purposes, principles, and techniques in guidance and counseling designed to offer assistance to teachers, ministers, social workers, and others who are responsible for individual and group advising. Identical with CM 410 and SS 410. Prerequisites: Psy 201 and Psy 202.

Psy 420 ABNORMAL PSYCHOLOGY

4 hours. Offered 1979-80 and alternate years. A study of the nature, causation (etiology), and treatment of the major types of behavior disorders. Prerequisites: Psy 201, Psy 202.

Psy 430 PERSONALITY THEORIES

4 hours. Offered 1978-79 and alternate years. A survey of the major theories of personality: psychoanalytic theory, social-learning theory, factor analytic theory, humanistic theory, existential theory, and eclectic theories. Students will critically analyze similarities and differences in these different approaches to the nature, development, and function of human personality. Prerequisites: Psy 201, Psy 202.

Psy 460 SYSTEMS AND THEORIES OF PSYCHOLOGY

4 hours. Offered 1978-79 and alternate years. A seminar in which various schools of psychology, their origins, distinguishing characteristics, major contributions, theoretical positions, and contemporary issues are investigated. Required for psychology majors. Prerequisites: Psy 201, Psy 202, and twelve upper division hours in psychology.

Psy 470 MOTIVATION

4 hours. Offered 1979-80 and alternate years. A study of tendencies, causes, and sustaining aspects of human behavior. Designed to assist those who plan to teach or to enter social work, industrial management, and various kinds of guidance and counseling. Prerequisites: Psy 201 and Psy 202.

Psy 475 FIELD EXPERIENCE

2-15 hours. Supervised experiences in mental health agencies and institutions. A maximum of twenty hours may be applied toward a psychology major; a maximum of ten hours may be applied toward a psychology-sociology major. For upper division majors only, by permission.

Psy 485 SELECTED TOPICS

1-4 hours. A seminar dealing with various topics as announced that represent current faculty interests and competencies.

Psy 490 RESEARCH METHODS IN PSYCHOLOGY

4 hours. An intermediate introduction to methods of psychological research. Students will receive direct experience with these methods by designing and conducting an individual research project. A fundamental preparation for students planning graduate work in psychology or related fields. Psychology-sociology majors may choose either Psy 490 or Soc 490. Prerequisites: Psy 201, Psy 340. Recommended: Psy 400 Psychological Tests and Measurements.

Psy 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided and regular reading reports and conferences are scheduled. For upper division psychology majors only, by permission.

PSYCHOLOGY-SOCIOLOGY (B.A. or B.S. Degree)

Major Requirements

Fifty-six hours in psychology and sociology courses, at least sixteen of which in each field must be

upper division, including Psy 201 General Psychology; Soc 201 Principles of Sociology (both of which are prerequisites to upper division courses in both psychology and sociology); Psy/Soc 340 Statistical Procedures; and Psy 460 Systems and Theories of Psychology or Soc 490 Senior Research Seminar. Courses taken for the major are not counted toward general education requirements. One year of foreign language is strongly recommended for the B.A. degree.

Soc 201 PRINCIPLES OF SOCIOLOGY

4 hours. An introduction to the social forces and processes in the evolving life of modern social organization and man's interaction with it.

Soc 202 SOCIAL PROBLEMS

4 hours. Introductory studies in current problems of society, such as poverty, race, crime, and family disorders. Prerequisite: Soc 201.

Soc 280 MARRIAGE AND THE FAMILY

4 hours. The origins, functions, problems, and adjustments in family life. Identical with HE 280 and HEc 280.

Soc 285/485 SELECTED TOPICS

1-4 hours. A seminar dealing with topics of special interest to students and current faculty. Prerequisite: Soc 201.

Soc 300 GROUP DYNAMICS

4 hours. Offered 1979-80 and alternate years. Identical with Psy 300 and SS 300. Prerequisite: Soc 201.

Soc 301 CULTURAL ANTHROPOLOGY

4 hours. Offered 1978-79 and alternate years. A study of living and recent societies of the world and their ways of life.

Soc 326 URBAN PROBLEMS

4 hours. Offered 1979-80 and alternate years. An interdisciplinary introduction to study of urban problems; a survey of the nature, scope, causes, effects, and alleviation of major social, political, and economic

conomic problems in the urban setting; and cities of the future and their problems. Prerequisite: Soc 201.

Soc 332 ETHNIC GROUPS AND SOCIAL MINORITIES
4 hours. Offered 1978-79 and alternate years. An interdisciplinary study of racial attitudes and their origins and an examination of contemporary racial problems and solutions. Prerequisite: Soc 201.

Soc 340 STATISTICAL PROCEDURES
4 hours. Identical with Psy 340. Prerequisite: Soc 201.

Soc 350 SOCIAL PSYCHOLOGY
4 hours. Offered 1979-80 and alternate years. Identical with Psy 350. Prerequisite: Soc 201.

Soc 360 SOCIAL AND POLITICAL THEORY
4 hours. Offered 1978-79 and alternate years. A critical study of some of the major social philosophers from Comte to the present. Prerequisite: Soc 201 and Phl 210/310, or permission of the instructor. Identical with Phl 360, PSc 360.

Soc 370 PEACE AND WAR
4 hours. Offered 1979-80 and alternate years. Identical with PSc 370.

Soc 450 GERONTOLOGY
4 hours. A study of the aging process in its diverse social, psychological, and physiological dimensions. Particular attention is given to reduce misunderstanding and myths concerning aging, and to enhance understanding and appreciation of changing social roles and social settings of later life. Prerequisite: Soc 201.

Soc 475 FIELD EXPERIENCE
2-15 hours. Supervised experiences in social and governmental agencies. For upper division psychology-sociology majors only, by permission. A maximum of ten hours may be applied toward a psychology-sociology major.

Soc 490 SENIOR RESEARCH SEMINAR
4 hours. Psychology-sociology majors may choose either Psy 490 or Soc 490. Identical to SS 490. Prerequisite: Soc 201.

Soc 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided and regular reading reports and conferences are scheduled. For upper division psychology-sociology majors only, by permission.

SOCIAL SERVICE (B.A. or B.S. Degree)

Major Requirements

The social service major is intended to be a professional education program that builds upon, and is integrated with, a liberal arts base that includes knowledge in the humanities and social, behavioral, and biological sciences. Therefore, students are required to complete Psy 201 General Psychology, Soc 201 Principles of Sociology, and Bi 101 General Biology as part of their general education requirements. In addition to Psy 201 and Soc 201, Soc 202 Social Problems and SS 180 Social Work Introductions and Observation must be completed prior to enrollment in upper division social service courses. It also is recommended that Psy 310 Human Development be completed prior to taking upper division courses. In addition to the above required courses, students must complete Psy 202, Psy 310, SS 391, 392, 393, 475 (10 hours minimum), 480, and 490 plus ten hours of elective courses in social service or sociology for a total of fifty-four hours (not including general education courses).

A social service major may be considered appropriate beginning education for adult and child welfare positions, juvenile and adult probation and parole positions, a variety of youth and recreational positions (private, public, and church-related), some types of counseling and/or treatment positions, supervisory and administrative positions, and private practice.

SS 180 SOCIAL WORK INTRODUCTION AND OBSERVATION

4 hours. An introduction to the history and development of social work agencies and the social work profession. The course will include several visits to

social work practice settings and discussions with agency personnel as a means to explore social work career possibilities.

SS 275 EXPLORATORY AGENCY EXPERIENCE

2-5 hours. An opportunity to engage in a variety of activities within a social agency for the purpose of testing interest and aptitude.

SS 285/485 SELECTED TOPICS

4 hours. A seminar dealing with various topics of special interest to students and current faculty, such as Christianity and social action, child welfare services, problems of aging, and leisure and cultural services.

SS 300 GROUP DYNAMICS

4 hours. Offered 1979-80 and alternate years. Identical with Psy 300 and Soc 300. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 391 SOCIAL WORK PRINCIPLES

4 hours. An in-depth consideration of the principles and values that underlie the social work profession and social welfare. Comparison with student's personal values, Christian values, and society's values will be included. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 392 SOCIAL WELFARE INSTITUTIONS AND POLICY DEVELOPMENT

4 hours. A consideration of the public and private social welfare system, policies, and settings. Prerequisite: SS 391.

SS 393 METHODS OF SOCIAL WORK PRACTICE

4 hours. An overview of methods of practicing social work with individuals, groups, and communities with particular emphasis on expectations, goals, and strategies. Appropriate simulated and actual experiential learning will be used. Prerequisite: SS 392.

SS 410 GUIDANCE AND COUNSELING

4 hours. Offered 1978-79 and alternate years. Identical to Psy 410. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 475 SOCIAL WORK AGENCY EXPERIENCE

5-15 hours. Supervised experiences in social service agencies and institutions. A minimum total of 10 hours required for the social service major. For upper division social service majors only, by permission.

SS 480 THEORY-PRACTICE INTEGRATION SEMINAR

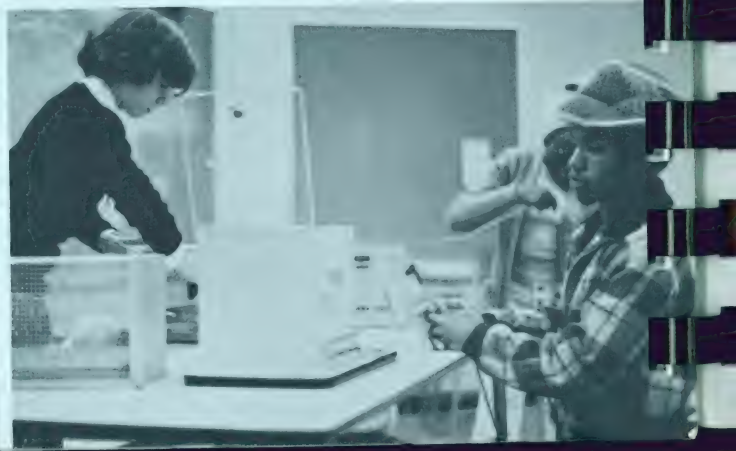
2 hours. A required component accompanying the first SS 475 field experience that combines presentations by the faculty instructor, readings, and discussion designed to help the student integrate previous course work and current field experience. For upper division social service majors only, by permission.

SS 490 SENIOR RESEARCH SEMINAR

4 hours. A required class for social service majors that includes basic instruction in social research methodology and the completion and presentation of a major research project. To be completed during the senior year. Identical to Soc 490. Prerequisites: Psy 201, Soc 201, Soc 202, SS 180.

SS 495 SPECIAL STUDY

1-4 hours. Independent study of subjects outside regular offerings. Guiding bibliographies are provided and regular reading reports and conferences are scheduled. For upper division social service majors only, by permission.



FACULTY

This register for 1977-78 is composed of all full-time people involved in instruction, certain administrative officers, and professional librarians. They are classified as professors, associate professors, assistant professors, and instructors, depending upon degree, seniority, tenure, and experience.

DAVID C. Le SHANA, *President*. B.A., Taylor University; M.A., Ball State University; Ph.D., University of Southern California. George Fox College 1967-

MICHAEL A. ALLEN, *Assistant Professor of Psychology*. B.S., M.S., Illinois State University. George Fox College 1976-

RICHARD E. ALLEN, *Assistant Professor of Physical Education*. B.S., Seattle Pacific College; M.S., University of Oregon. George Fox College 1969-

HAROLD A. ANKENY, *Director of Financial Aid and Institutional Research*. B.A., George Fox College. George Fox College 1968-

RALPH K. BEEBE, *Associate Professor of History*. B.A., George Fox College; M.Ed., Linfield College; Ph.D., University of Oregon. George Fox College 1974-

DLORAH J. BRIGHT, *Instructor of Physical Education*. B.S., George Fox College; M.S., University of Oregon. George Fox College 1976-

AUDREY A. BURTON, *Reference Librarian*. B.S., University of Oregon; M.L.S., University of Portland. George Fox College 1974-

PAUL H. CHAMBERLAIN, *Assistant Professor of Chemistry*. B.A., Point Loma College; Ph.D., University of Nevada, Reno. George Fox College 1977-

SCOTT A. CHAMBERS, *Assistant Professor of Physics and Mathematics*. B.A., University of California at San Diego; Ph.D., Oregon State University. George Fox College 1977-

MAURICE G. CHANDLER, *Director of Development*. B.A., George Fox College. George Fox College 1966-

DONALD E. CHITTICK, *Professor of Chemistry, Chairman of the Division of Natural Science*. B.S., Willamette University; Ph.D., Oregon State University. George Fox College 1968-

RONALD S. CRECELIUS, *Director of Religious Services, Assistant Professor of Christian Ministries*. A.Th.B., George Fox College; M.R.E., Western Evangelical Seminary; M.A., Pasadena College. George Fox College 1967-

JACK E. DAY, *Assistant Professor of Business*. J.D., Northwestern School of Law of Lewis and Clark College; M.B.A., University of Portland. George Fox College 1976-

JERRY H. FRIESEN, *Associate Professor of Music*. A.B., Reedley Junior College; B.M.Ed., M.M.Ed., Willamette University; D.M.A., University of Oregon. George Fox College 1966-70; 71-

ROBERT D. GILMORE, *Associate Professor of Education, Director of Instructional Media*. B.A., Azusa Pacific College; B.D., California Baptist Theological Seminary; M.S.Ed., University of Southern California. George Fox College 1964-

MYRON D. GOLDSMITH, *Professor of Religion and Language Arts, Chairman of Division of Religion*. B.A., Friends University; B.D., Asbury Seminary; Ph.D., Boston University. George Fox College 1967-74; 75-

MICHAEL P. GRAVES, *Associate Professor of Communication Arts*. B.A., M.A., California State College Los Angeles; Ph.D., University of Southern California. George Fox College 1972-

WILLIAM D. GREEN, *Dean of the College, Professor of Religion*. Th.B., Malone College; A.B., Taylor University; M.A., Case Western Reserve University; Ed.D., University of Tennessee. George Fox College 1977-

EUGENE B. HABECKER, *Dean of Students, Assistant Professor of Political Science*. B.A., Taylor University; M.A., Ball State University; J.D., Temple University. George Fox College 1974-

DENNIS B. HAGEN, *Professor of Music, Chairman of Division of Fine Arts*. B.A., Whitworth College

Mus.Ed., Indiana University; B.D., Western Evangelical Seminary; Ph.D., Indiana University. George Fox College 1964-

THOMAS F. HEAD, *Assistant Professor of Economics*. B.S., M.S., University of Oregon. George Fox College 1971-1974; 1976-

EDWARD F. HIGGINS, *Assistant Professor of English*. B.A., LaVerne College; M.A., California State College at Fullerton. George Fox College 1971-

DANNY M. HOBBS, *Assistant Professor of Mathematics*. B.A., Olivet Nazarene College; M.S., Purdue University. George Fox College 1970-1977; on leave 1977-78.

JULIA H. HOBBS, *Professor of Christian Ministries*. B.A., Hope College; M.Ed., University of Pittsburgh; B.D., M.Th., Winona Lake School of Theology; Ph.D., University of Pittsburgh. George Fox College 1975-

DAVID J. HOWARD, *Assistant Professor of Music*. B.A., Simpson Bible College; B.A., M.A., San Francisco State College. George Fox College 1968-

HERMAN W. HUGHES, *Associate Professor of Education and Cochairman of Division of Education*. B.A., Whitworth College; M.A.T., Seattle University; Ph.D., University of Oregon. George Fox College 1976-

G. CLAUDINE KRATZBERG, *Associate Professor of Home Economics*. B.S., Wheaton College; M.Hec., Oregon State University. George Fox College 1976-

ROBERT E. LAUINGER, *Associate Professor of Music*. B.S., Portland State University; M.M., Indiana University; D.M.A., University of Arizona. George Fox College 1967-70; 71-

BRUCE G. LONGSTROTH, *Assistant Professor of Social Services*. B.A., George Fox College; M.S.W., University of Utah. George Fox College 1974-

D. DOUGLAS McKENNA, *Assistant Professor of Psychology*. B.A., Seattle Pacific University; Ph.D., University of Minnesota. George Fox College 1977-

GENETTE McNICHOLS, *Head Librarian*. B.A., Seattle Pacific College; M.L.S., University of Portland. George Fox College 1956-

DONALD J. MILLAGE, *Business Manager*. B.S., University of Oregon; CPA, Oregon, California, and New York. George Fox College 1972-

HECTOR J. MUNN, *Registrar and Professor of Chemistry*. B.S., Seattle Pacific University; M.S., Ph.D., Oregon State University. George Fox College 1958-62; 66-

LEE NASH, *Professor of History, Chairman of Division of Social Science*. A.B., Cascade College; M.A., University of Washington; Ph.D., University of Oregon. George Fox College 1975-

G. DALE ORKNEY, *Professor of Biology*. B.A., Northwest Nazarene College; M.S., Ph.D., University of Idaho. George Fox College 1963-64; 65-

ELIZABETH RITZMANN, *Instructor of English and Speech*. B.A., Wheaton College; M.A., Stanford University. George Fox College 1977-

ARTHUR O. ROBERTS, *Professor of Religion and Philosophy*. B.A., George Fox College; B.D., Nazarene Theological Seminary; Ph.D., Boston University. George Fox College 1953-

SAMUEL E. SHERRILL, *Associate Professor of English, Chairman of the Division of Language Arts*. B.A., Seattle Pacific University; M.A., Portland State University; D.A., University of Oregon. George Fox College 1966-71; 72-

PETER C. SNOW, *Assistant Professor of Art*. B.S., Portland State College; M.A.T., Reed College; M.Ed., Oregon State University. George Fox College 1967-

CRAIG TAYLOR, *Instructor of Physical Education*. B.S., George Fox College; M.Ed., Linfield College. George Fox College 1977-

ELVER H. VOTH, *Professor of Biology*. B.A., Th.B., Cascade College; M.S., Ph.D., Oregon State University. George Fox College 1964-77; on leave 1977-78.

MARJORIE L. WEESNER, *Professor of Physical Education, Cochairman of Division of Education*. B.S., George Fox College; M.Ed., Linfield College; Ed.D., University of Oregon. George Fox College 1953-54; 1963-

SAMUEL J. WILLARD, *Associate Professor of Physical Education and Director of Athletics*. B.A., Northwest Nazarene College; M.A., Central Washington State College. George Fox College 1976-

FACULTY EMERITI

MACKEY W. HILL, *Professor of History*. B.A., University of California at Los Angeles; M.A., University of the Pacific. George Fox College 1949-74.

CECILIA C. MARTIN, *Professor of Language Arts*. B.A., M.A., Ph.D., University of Washington. George Fox College 1954-73.

PAUL M. MILLS, *Professor of Bible*. B.A., Th.B., Th.M., Northwest Nazarene College. George Fox College 1947-74.

GEORGE H. MOORE, *Professor of Psychology*. B.A., Adrian College; M.Ed., University of Oregon; Ph.D., University of Iowa. George Fox College 1943-47; 1961-75.

OLIVER WEESNER, *Professor of Mathematics*. B.S., Earlham College. George Fox College 1909-52.

PART-TIME FACULTY

This register is composed of those teaching less than full time at George Fox College in the 1977-78 college year:

JAMES E. ANNALA, *Music*. B.M., Lewis and Clark College; M.M., University of Portland. George Fox College 1968-

CAROLYN BALLARD, *Home Economics*. B.A., Northwest Nazarene College. George Fox College 1976-

HARVEY J. CAMPBELL, *Geography*. B.A., George Fox College; M.A., Colorado State College of Education. George Fox College 1958-

GARY K. FAWVER, *Christian Ministries*. A.B., Wheaton College; M. Div., Th.M., Gordon-Conwell Theological Seminary. George Fox College 1974-

RICHARD J. FOSTER, *Bible and Religion*. B.A., George Fox College; D.Th.P., Fuller Theological Seminary. George Fox College 1974-

DARLENE R. GRAVES, *Communication Arts*. B.A., Biola College; M.A., California State University at Los Angeles. George Fox College 1974-

MARY S. GREEN, *Mathematics*. A.B., Houghton College; M.N., Case Western Reserve University; Graduate Studies, University of Wyoming. George Fox College 1973-

NORVAL HADLEY, *Christian Ministries*. B.A., George Fox College; D.D., Western Evangelical Seminary. George Fox College 1977-

BARRY HUBBELL, *Journalism*. B.A., George Fox College. George Fox College 1967-

CHRIS LAUINGER, *Music*. B.M., University of Rochester; M.M., Doctoral Studies, Indiana University. George Fox College 1963-66; 67-69; 71-

RONALD MORGAN, *Physics*. B.S. George Fox College. George Fox College 1976-

QUENTIN NORDYKE, *Christian Ministries*. B.A., George Fox College; M.A., Fuller Theological Seminary. George Fox College 1977-

SHERIE SHERRILL, *English*. B.A., Seattle Pacific University. George Fox College 1976-

WILLIAM VERMILLION, *Bible*. B.A., University of Washington; M.Div., Western Evangelical Seminary. George Fox College 1976-

GERALD R. WHEELER, *Accounting*. B.S., University of California at Berkeley; M.B.A., Portland State University. George Fox College 1976-

COLLEGE ADMINISTRATION (1977-78)

Administrative Cabinet

CHANDLER, MAURICE G., B.A., Director of Development
GREEN, WILLIAM D., Ed.D., Dean of the College
HABECKER, EUGENE B., J.D., Dean of Students
SHANA, DAVID C., Ph.D., President
MILLAGE, DONALD J., CPA, B.S., Business Manager

Academic Administration

MURTON, AUDREY A., M.L.S., Reference Librarian
GREEN, WILLIAM D., Ed.D., Dean of the College
HOERLING, ANDREA, B.A., Admissions Counselor
HOBBS, JULIA H., Ph.D., Director of Curricular Studies
JACKSON, JIM, M.A., Admissions Counselor
LOEWEN, CURT, Ph.D. Director of Field Education
MCNICHOLS, GENETTE, M.L.S., Head Librarian
MUNN, HECTOR J., Ph.D., Registrar
SETTLE, JIM, B.A., Director of Admissions
WINSTON, RANDY, B.A., Admissions Counselor

Business and Related Services

BAGLEY, VERN, Superintendent of Mechanics
BARNETT, ROBERT, Director of Physical Plant
BIRCH, RAYMOND, B.R.E., Superintendent of Custodial Services
COOK, EVERETT, Superintendent of Campus Activities
FAWVER, GARY K., Th.M., Director of Camp Tilikum
HEIBERT, ROY, B.A., Superintendent of Communications and Electronics
HULL, CALVIN, Th.B., Superintendent of Grounds
KELLEY, DAVID, B.S., Assistant to the Business Manager
LOEWEN, WILLIAM, M.A., Manager of Bookstores
LYDA, JOHN, B.S., Superintendent of New Construction
MILLAGE, DONALD J., CPA, B.S., Business Manager
TALBOT, JIM, B.B.A., SAGA Food Service Manager

Public Relations and Development

CHANDLER, MAURICE G., B.A., Director of Development

HOCKETT, M. GENE, M.Div., Director of Alumni and Church Relations
HUBBELL, BARRY, B.A., Director of College Relations
HUFFMAN, BRUCE, B.A., Associate Director of Development

Student Personnel Services

ANKENY, HAROLD A., B.A., Director of Financial Aid and Institutional Research
CATHCART, ERNIE, M.S.W., Residence Hall Director
COMSTOCK, KAREN, B.A., Residence Hall Director
CRECELIUS, RONALD S., M.A., Chaplain/Director of Christian Life
HABECKER, EUGENE B., J.D., Dean of Students
HAWLEY, JULIE, M.A., Assistant Director of Student Life
HOLSCLAW, MICK, M.A., Director of Student Programming
JAQUITH, CAROL, M.S., Director of Career Planning and Placement Office
ROGERS, DALE, M.A., Residence Hall Director
STAPLES, CAROLYN, R.N., Director of Health Services
WILLARD, SAMUEL J., M.A., Director of Athletics

BOARD OF TRUSTEES

For Three Years Ending August, 1978

JOHN E. ALMOND, Tacoma, Washington, Executive Suite Manager
FREDERICK B. BAKER, Tacoma, Washington, Retired Minister
V. A. BALLANTYNE, Indianapolis, Indiana, Denominational Executive Secretary
DOROTHY BARRATT, Rockaway, Oregon, Christian Education Consultant
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RALPH GREENIDGE, Seattle, Washington, Minister
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WAYNE E. ROBERTS, Central Point, Oregon, Physician
WALTER E. WILHITE, Newberg, Oregon, Investment
Consultant

For Three Years Ending August, 1979

CHARLES A. BEALS, Newberg, Oregon, Retired
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CHARLES C. CAFFALL, Portland, Oregon, Lumber
Company Executive
GERALD W. DILLON, Gladstone, Oregon, Seminary
Professor
SAM A. FARMER, Glen Ellyn, Illinois, Food
Company Executive
C. WILBUR FIELD, Jr., Sunnyside, Washington,
Food Company Executive
PAUL E. GOINS, Greenleaf, Idaho, Minister
RONALD GREGORY, Seattle, Washington, Attorney
HOMER HESTER, Newberg, Oregon, Retired Dentist
CLAUDE A. LEWIS, Central Point, Oregon, Dentist
DWIGHT O. MACY, Culver, Oregon, Rancher
ROBERT MONROE, Portland, Oregon, Consulting
Engineer
DONALD McNICHOLS, Seattle, Washington, College
Professor
ROGER M. MINTHORNE, Lake Oswego, Oregon,
Electronics Manufacturer Executive
J. ARNOLD OWEN, Berkeley, California, Printing
Company Executive

For Three Years Ending August, 1980

IVAN L. ADAMS, Portland, Oregon, Retired
Bank Executive
RICHARD BEEBE, Eugene, Oregon, Principal
HAROLD CLARK, Star, Idaho, Minister
KARA L. COLE, Portland, Oregon, Free-lance Writer
ELIZABETH EDWARDS, Newberg, Oregon, Retired
Social Welfare Worker
PHILIP E. HARMON, Seattle, Washington, Insurance
Executive
STANLEY D. KERN, Newberg, Oregon, Physician
DAVID M. LEACH, Seattle, Washington, Minister

THELMA MARTIN, Caldwell, Idaho, Businesswoman
JAMES MILLER, Portland, Oregon, Investments
FLOYD H. WATSON, Eugene, Oregon, Bank Executive
JACK L. WILLCUTS, Portland, Oregon, Minister
NORMAN WINTERS, Nampa, Idaho, High School
Administrator
JAN WOOD, Seattle, Washington, Associate Pastor

Honorary

JOHN C. BROUGHER, Vancouver, Washington,
Physician
M. LOWELL EDWARDS, Santa Ana, California,
Engineer-Inventor
J. EMEL SWANSON, Eugene, Oregon, Retired

Ex Officio

NORVAL HADLEY, Newberg, Oregon, Superintendent
of Northwest Yearly Meeting of Friends Church
DAVID C. Le SHANA, Newberg, Oregon,
President of George Fox College



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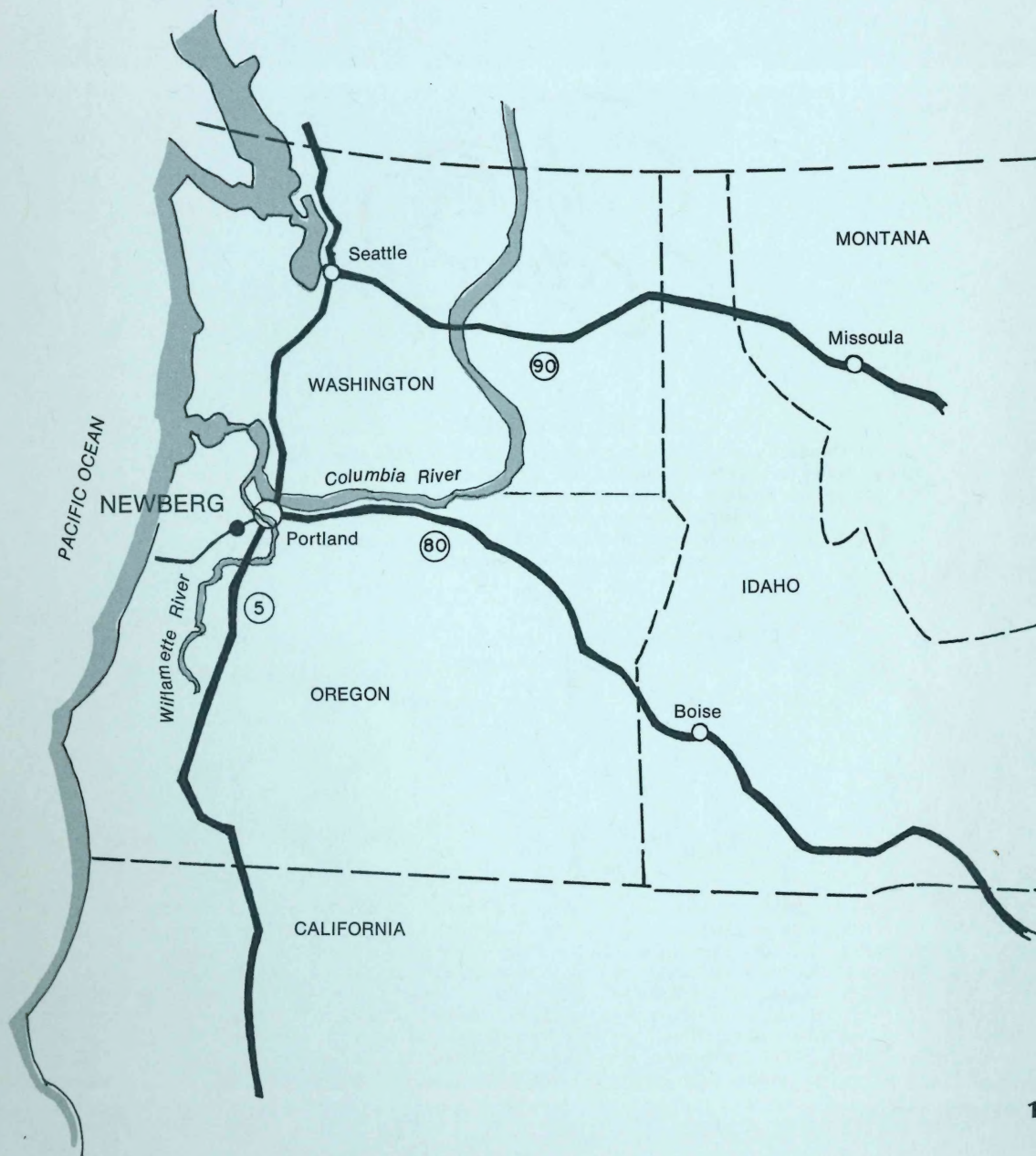
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GET IN TOUCH

The best way to assess the college is to visit. Introduce yourself by a letter or telephone call, and our admissions team will arrange for you to see our facilities and talk with members of our college community, with perhaps an overnight stay. Offices are open 8 a.m. to 5 p.m. on Monday through Friday, except for special days, and on Saturday by appointment.

Contact:

Jim Settle

Director of Admissions

George Fox College

Newberg, Oregon 97132

Telephone: (503) 538-8383 Ext. 234

COVER PHOTOS: Featured on the outside and inside covers are new George Fox College facilities completed during 1977. A 200-foot-long pedestrian bridge (front cover) crosses Hess Creek Canyon on the campus's eastern edge leading to the 51,000-square-foot, \$2.2 million Coleman H. Wheeler Sports Center (inside front cover). The sports/physical education complex contains handball courts, weight, wrestling, and multipurpose rooms, classrooms, faculty and administrative offices, saunas, and a gymnasium featuring three basketball courts and seating for 2,700. On the back cover is the 20,000-square-foot, \$850,000 Herbert Hoover Academic Building containing classrooms and offices. The Charlotte Macy and Mary Sutton Residence Halls on the inside back cover contain 31,000 square feet and house 128 students in facilities built at a cost of \$1.2 million. All photographs are by Donald W. Edmundson, Portland.

